Oracle® Cloud

Licensing Information User Manual for Oracle Fusion Data Intelligence

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The Legion Of The Bouncy Castle	bc-fips, version 1.0.2.5	See bc-fips 1.0.2.5.
The Legion Of The Bouncy Castle	bcpkix-fips 1.0.7	See bcpkix-fips 1.0.7.
The Legion Of The Bouncy Castle	Bouncy Castle Crypto API 1.78.1	See Bouncy Castle Crypto API 1.78.1.
YANDEX	Catboost 1.2.7	See Catboost 1.2.7.
Cisco Systems	ClamAV 1.0.7-1	See ClamAV 1.0.7-1.
Luke Hutchison	classgraph 4.8.177	See classgraph 4.8.177.
Jed Watson	Classnames 2.5.1	See Classnames 2.5.1.
Marijn Haverbeke	CodeMirror, version 5.65.9	See CodeMirror, version 5.65.9.
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The Apache Software Foundation	cxf-rt-features-logging 4.0.5	Seecxf-rt-features-logging 4.0.5.
The Apache Software Foundation	cxf-rt-transports-http-hc5 4.0.5	See cxf-rt-transports-http-hc5 4.0.5.
The Apache Software Foundation	cxf-spring-boot-starter-jaxws 4.0.5	See cxf-spring-boot-starter-jaxws 4.0.5.
Oracle	dbt-oracle 1.7.5	See dbt-oracle 1.7.5.
David Fahlander	Dexie 4.0.4	See Dexie 4.0.4.
The Uncertainty Quantification Foundation	dill 0.3.8	See dill 0.3.8.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	DropWizard-core, version 4.0.1	See DropWizard-core 4.0.1.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	DropWizard-core, version 4.0.4	See DropWizard-core 4.0.4.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	dropwizard-http2, version 4.0.4	See dropwizard-http2 4.0.4.
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Google Inc.	google-http-client-apache-v2, version 1.42.3	See google-http-client-apache-v2, version 1.42.3.
Google Inc.	GSON, version 2.10.1	See GSON 2.10.1.
Google Inc.	GSON, version 2.9.1	See Google GSON, Version 2.9.1.
Google Inc.	Guava, version 32.0.1	See Guava, version 32.0.1.
Google Inc.	Guava, version 32.1.1	See Guava, version 32.1.1.
Google Inc.	Guava, version 33.1.0	See Guava, version 33.1.0.
h2database.com	H2, version 2.2.220	See H2, version 2.2.220.
Andrew Colleteh	h5py 3.10.0	See h5py 3.10.0.
Red Hat Middleware LLC	hibernate-core, version 6.1.7.Final	See hibernate-core, version 6.1.7 Final.
Niklas von Hertzen	html2canvas, version 1.4.1	See html2canvas, version 1.4.1.
The Apache Software Foundation	HttpComponents Client 5.2.1	See HttpComponents HttpClient, version 4.5.14.
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FasterXML, LLC	Jackson Annotations 2.17.2	See Jackson Annotations 2.17.2.
FasterXML, LLC	Jackson Core 2.15.3	See Jackson Core 2.15.3.
FasterXML, LLC	Jackson Core 2.17.2	See Jackson Core 2.17.2.
FasterXML, LLC	Jackson Databind, version 2.15.3	See Jackson Databind 2.15.3.
FasterXML, LLC	Jackson Databind, version 2.15	See Jackson Databind 2.15.
FasterXML, LLC	Jackson Databind 2.17.2	See Jackson Databind 2.17.2.
FasterXML, LLC	jackson-dataformat-csv 2.17.2	See jackson-dataformat-csv 2.17.2.
FasterXML, LLC	jackson-datatype-hibernate5 2.17.2	See jackson-datatype-hibernate5 2.17.2.
FasterXML, LLC	jackson-datatype-hibernate6 2.17.2	See jackson-datatype-hibernate6 2.17.2.
FasterXML, LLC	jackson-jaxrs-json-provider, version 2.15.3	See jackson-jaxrs-json-provider 2.15.3.
Eclipse Foundation	Jakarta Persistence API (JPA API) 3.2.0	See Jakarta Persistence API (JPA API) 3.2.0.
Eclipse Foundation	jakarta.json-api 2.1.3	See jakarta.json-api 2.1.3.
Eclipse Foundation	jakarta.mail-api 2.1.2	See jakarta.mail-api 2.1.2.
Eclipse Foundation	jakarta.xml.soap-api, version 3.0.0	See jakarta.xml.soap-api, Version 3.0.0.
Eclipse Foundation	jakarta.xml.soap-api 3.0.2	See jakarta.xml.soap-api, version 3.0.2.
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Eclipse Foundation	Jakarta Servlet 6.1.0	See Jakarta Persistence API (JPA API) 3.2.0.
Eclipse Foundation	Jakarta XML Web Services (JAX-WS) RI (Metro) 4.0.1	See Jakarta XML Web Services (JAX-WS) RI (Metro) 4.0.1.
Shigeru Chiba	Javassist 3.30.2-GA	See Javassist 3.30.2-GA.
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Eclipse Foundation	jetty-alpn-server 12.0.12	See jetty-alpn-java-server 12.0.12.
Eclipse Foundation	jetty-ee8-webapp, version 12.0.6	See jetty-ee8-webapp 12.0.6.
Eclipse Foundation	jetty-http2-server 12.0.12	See jetty-http2-server 12.0.12.
Eclipse Foundation	jetty-jndi, version 12.0.6	See jetty-jndi 12.0.6.
Eclipse Foundation	Jetty License, Version 12.0.6	See Jetty License, Version 12.0.6.
Eclipse Foundation	jetty-plus, version 12.0.6	See jetty-plus 12.0.6.
Armin Ronacher	Jinja2 3.1.4	See Jinja2 3.1.4.
Timothy Wall	JNA 5.14.0	See JNA 5.14.0.
Ronald Dehuysser	JobRunr 6.3.5	See JobRunr 6.3.5.
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JSON-SMART authors	json-smart 2.5.1	See json-smart 2.5.1.
Jonathan Hedley	jsoup 1.18.1	See jsoup 1.18.1.
James Hall	jsPDF, version 2.5.1	See jsPDF License, Version 2.5.1.
JSQLParser	JSQLParser 4.9	See JSQLParser 4.9.
Stuart Knightley et. al	JSZip, version 3.10.1	See JSZip License, Version 3.10.1.
QOS.ch	jul-to-slf4j, version 2.0.7	See jul-to-slf4j 2.0.7.
Cameron Davidson-Pilon	lifelines 0.29.0	See lifelines 0.29.0
QOS.ch	log4j-over-slf4j 2.0.7	See log4j-over-slf4j 2.0.7.
QOS.ch	logback-classic, version 1.4.14	See logback-classic 1.4.14.
QOS.ch	logback-classic 1.5.15	See logback-classic 1.5.15.
QOS.ch	logback-classic 1.5.6	See logback-core 1.5.6.
QOS.ch	logback-classic 1.5.8	See logback-classic 1.5.8.
QOS.ch	logback-core 1.4.14	See logback-core 1.4.14.
QOS.ch	logback-core 1.5.15	See logback-core 1.5.15.
QOS.ch	logback-core 1.5.6	logback-core 1.5.6.
Zalando SE	logbook-json 3.10.0	See logbook-json 3.10.0.
Zalando SE	logbook-spring-boot-starter 3.10.0	See logbook-spring-boot-starter 3.10.0.
The Apache Software Foundation	Logstash Logback Encoder, version 7.2	See Logstash Logback Encoder, version 7.2.
Project Lombok	Lombok, version 1.18.24	See Lombok License, Version 1.18.24.
Project Lombok	Lombok, version 1.18.26	See Lombok License, Version 1.18.26.

Provider	Component(s)	Licensing Information
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Vianney TAQUET, Grégoire MARTINON, Nicolas BRUNEL, Issam IBNOUHSEIN, François DEHEEGER and MAPIE contributors	mapie 0.8.6	See mapie 0.8.6.
MapStruct Authors	mapstruct-core 1.6.0	See mapstruct-core 1.6.0.
MapStruct Authors	mapstruct-core 1.6.2	See mapstruct-core 1.6.2.
MapStruct Authors	mapstruct-processor 1.6.0	See mapstruct-processor 1.6.0.
MapStruct Authors	mapstruct-processor 1.6.2	See mapstruct-processor 1.6.2.
The Apache Software Foundation	maven-artifact 3.9.9	See maven-artifact 3.9.9.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	metrics-annotation 4.2.26	See metrics-annotation 4.2.26.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	metrics-core 4.2.26	See metrics-core 4.2.26.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	metrics-healthchecks version 4.2.25	See metrics-healthchecks version 4.2.25.
Code Hale, Inc., Yammer Inc. and the Dropwizard Team	metrics-jvm 4.2.26	See metrics-jvm 4.2.26.
Microsoft	Microsoft JDBC Driver for SQL Server 12.2.0	See License Template, version x.y.z.
The Apache Software Foundation	Mina SSHD-core 2.14.0	See Mina SSHD-core 2.14.0.
The Apache Software Foundation	Mina SSHD-sftp 2.14.0	See Mina SSHD-sftp 2.14.0.
Jonathan Halterman	modelmapper-core version 3.2.0	See modelmapper-core version 3.2.0.

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JS Foundation and other contributors	moment-timezone 0.5.45	See moment-timezone 0.5.45.
Microsoft Corporation	monaco-editor 0.47.0	See monaco-editor 0.47.0.
Microsoft Corporation	monaco-editor 0.50.0	See monaco-editor 0.50.0.
MongoDB, Inc.	mongodb-driver-sync, version 4.10.2	See mongodb-driver-sync, version 4.10.2.
The Apache Software Foundation	MVFlex Expression Language (MVEL) 2.5.2.FINAL	See MVFlex Expression Language (MVEL) 2.5.2.FINAL.
NLTK Project	Natural Language Toolkit (NLTK) 3.9.1	See Natural Language Toolkit (NLTK) 3.9.1.
Connect2id Ltd.	Nimbus JOSE+JWT 9.37.3	See Nimbus JOSE+JWT 9.37.3.
Connect2id Ltd.	Nimbus JOSE+JWT 9.38	See Nimbus JOSE+JWT 9.38.
Connect2id Ltd.	Nimbus JOSE+JWT 9.41.2	See Natural Language Toolkit (NLTK) 3.9.1.
Connect2id Ltd.	Nimbus OAuth 2.0 SDK with OpenID Connect extensions, version 11.6	See Nimbus OAuth 2.0 SDK with OpenID Connect extensions 11.6.
Anaconda, Inc.	numba 0.60.0	See numba 0.60.0.
NumPy Developers	NumPy, version 1.24.3	See numpy, version 1.24.3.
NumPy Developers	NumPy 1.24.4	See NumPy 1.24.4.
NumPy Developers	NumPy 1.26.4	See NumPy 1.26.4.
NumPy Developers	NumPy 2.0.2	See NumPy 2.0.2.
NumPy Developers	NumPy 2.1.0	See NumPy 2.1.0.
NumPy Developers	NumPy 2.1.1	See NumPy 2.1.1.

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Glen Smith	OpenCSV, version 5.9	See OpenCSV, version 5.9.
The PyData Development Team	pandas, version 2.0.3	See pandas, version 2.0.3.
QR Capital Management, LLC, Lambda Foundry, Inc. and PyData Development Team	pandas, version 2.2.2	See pandas, version 2.2.2.
The Apache Software Foundation	poi-ooxml 5.3.0	See poi-ooxml 5.3.0.
The Apache Software Foundation	poi-ooxml, version 5.2.5	See poi-ooxml License, Version 5.2.5.
Brent Ely	pptxgenjs, version 3.11.0	See PptxGenJS License, Version 3.11.0.
Facebook, Inc.	Prophet 1.1.5	See Prophet 1.1.5.
Google, Inc.	protobuf-python 4.25.4	See protobuf-python 4.25.4.
The Apache Software Foundation	pyarrow 17.0.0	See pyarrow 17.0.0.
Python Software Foundation	Python 3.8.14-1	See Python 3.8.14-1.
Python Software Foundation	python-dateutil 2.9.0	See python-dateutil 2.9.0.
Oracle and/or its affiliates	python-oracledb 2.2.1	See python-oracledb 2.2.1.
William Falcon et al.	pytorch-lightning 2.4.0	See pytorch-lightning 2.4.0
Terracota	Quartz Job Scheduler 2.5.0	See Quartz Job Scheduler 2.5.0.
Robert Winkler and Bohdan Storozhuk	resilience4j-annotations, version 2.1.0	See resilience4j-annotations 2.1.0.
Robert Winkler and Bohdan Storozhuk	resilience4j-core 2.1.0	See resilience4j-core 2.1.0.

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ENS Paris-Saclay, CNRS	ruptures 1.1.9	See ruptures 1.1.9.
scikit-learn developers	scikit-learn 1.2.2	See scikit-learn, version 1.2.2
scikit-learn developers	scikit-learn 1.5.1	See scikit-learn 1.5.1.
SciPy developers	scipy 1.14.1	See scipy 1.14.1.
Nils Reimers	sentence-transformers 3.0.0	See sentence-transformers 3.0.0.
Nikolay Kim	setuptools-rust 1.9.0	See setuptools-rust 1.9.0.
Scott Lundberg	shap 0.46.0	See shap 0.46.0.
Estevão Soares dos Santos	showdown 2.1.0	See showdown 2.1.0.
QOS.ch	slf4j-api, version 2.0.12	See slf4j-api 2.0.12.
QOS.ch	slf4j-api 2.0.16	See slf4j-api 2.0.16.
Snowflake Computing	Snowflake JDBC Driver 3.20.0	See Snowflake JDBC Driver 3.20.0.
Pivotal, Inc.	spring-beans 6.1.15	See spring-beans 6.1.15.
Pivotal, Inc.	spring-boot 3.3.3	See spring-boot 3.3.3.
Pivotal, Inc.	spring-boot-autoconfigure 3.3.3	See spring-boot-autoconfigure 3.3.3.
Pivotal, Inc.	Spring-boot-starter 3.3.3	See Spring-boot-starter 3.3.3.
Pivotal, Inc.	spring-boot-starter-actuator 3.3.3	See spring-boot-starter-actuator 3.3.3.
Pivotal, Inc.	spring-boot-starter-aop 3.3.3	See spring-boot-starter-aop 3.3.3.
Pivotal, Inc.	spring-boot-starter-cache 3.3.3	See spring-boot-starter-cache 3.3.3.
Pivotal, Inc.	spring-boot-starter-data-jdbc 3.3.3	See spring-boot-starter-data-jdbc 3.3.3.
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Pivotal, Inc.	spring-boot-starter-json 3.3.3	See spring-boot-starter-json 3.3.3.
Pivotal, Inc.	spring-boot-starter-logging 3.3.3	See spring-boot-starter-logging 3.3.3.
Pivotal, Inc.	spring-boot-starter-mail 3.3.3	See spring-boot-starter-mail 3.3.3.
Pivotal, Inc.	spring-boot-starter-quartz 3.3.3	See spring-boot-starter-quartz 3.3.3.
Pivotal, Inc.	spring-boot-starter-validation 3.3.3	See spring-boot-starter-validation 3.3.3.
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Pivotal, Inc.	spring-boot-starter-webflux 3.3.3	See spring-boot-starter-webflux 3.3.3.
Pivotal, Inc.	spring-boot-starter-websocket 3.3.3	See spring-boot-starter-websocket 3.3.3.
Pivotal Software, Inc	spring-cloud-context, version 4.0.4	See spring-cloud-context, version 4.0.4.
Pivotal Software, Inc	spring-cloud-dependencies 2023.0.0	See spring-cloud-dependencies 2023.0.0.
Pivotal Software, Inc	spring-cloud-starter 4.1.4	See spring-cloud-starter 4.1.4.
Pivotal Software, Inc	spring-cloud-starter License, Version 4.0.4	See spring-cloud-starter License, Version 4.0.4.
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Pivotal Software, Inc	spring-core 6.1.15	See spring-core 6.1.15.
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Pivotal, Inc.	Spring Retry 1.3.3	See Spring Retry, version 1.3.3.
Pivotal, Inc.	Spring Retry 2.0.8	See Spring Retry 2.0.8.
Pivotal Software, Inc	spring-web 6.1.15	See spring-web 6.1.15.
Pivotal Software, Inc	spring-webmvc 6.1.15	See spring-webmvc 6.1.15.
Pivotal Software, Inc	spring-xml 4.0.11	See spring-xml 4.0.11.
Jonathan E. Taylor, Scipy Developers, statsmodels Developers	statsmodels 0.14.1	See statsmodels 0.14.1.
SmartBear Software	swagger-annotations 2.2.19	See swagger-annotations 2.2.19.
Microsoft Corporation	Synapse Machine Learning (SynapseML) 1.0.5	SeeSynapse Machine Learning (SynapseML) 1.0.5 .
Open Knowledge Foundation, Friedrich Lindenberg, Gregor Aisch	TableSchema 1.20.11	See TableSchema 1.20.11.
Google	tensorflow-hub, version 0.16.1	See tensorflow-hub 0.16.1.
Google	tensorflow-python 2.16.2	See tensorflow-python 2.16.2.
Google	tensorflow-python 2.17.0	See tensorflow-python 2.17.0.
The Apache Software Foundation	Tomcat 10.1.26	See Tomcat 10.1.26.
Andrey Petrov	urllib3, version 2.2.2	See urllib3, version 2.2.2.
Daniel Holth	wheel version 0.43.0	See wheel version 0.43.0.
The Apache Software Foundation	XMLBeans, version 5.2.1	See XMLBeans, version 5.2.1.

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The xterm.js authors (https://github.com/xtermjs/xterm.js)	xtermjs 5.1.0	See xtermjs 5.1.0.

aircompressor 0.27

Airlift

```
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Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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bc-fips 1.0.2.5

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bcpkix-fips 1.0.7

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4P Dependencies:

org.bouncycastle:bc-fips

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Bouncy Castle Crypto API 1.78.1

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Catboost 1.2.7

YANDEX

package_name: catboost
license_type: Apache License, Version 2.0
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catboost has dependencies on following libraries:

    catboost needs "graphviz"
        "graphviz" doesn't have any dependencies
    catboost needs "matplotlib"
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
                "numpy" has bundled license that are included below
        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
            "fonttools" doesn't have any dependencies
        "matplotlib" needs "kiwisolver"
            "kiwisolver" doesn't have any dependencies
        "matplotlib" needs "numpy"
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        "matplotlib" needs "packaging"
            "packaging" doesn't have any dependencies
        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
        "matplotlib" needs "pyparsing"
            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    catboost needs "numpy"
        "numpy" has bundled license that are included below
    catboost needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    catboost needs "plotly"
        "plotly" needs "packaging"
            "packaging" doesn't have any dependencies
        "plotly" needs "tenacity"
            "tenacity" doesn't have any dependencies
    catboost needs "scipy"
        "scipy" needs "numpy"
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    catboost needs "six"
        "six" doesn't have any dependencies
```

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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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PCG Random Number Generation for C.

Copyright 2014 Melissa O'Neill oneill@pcg-random.org

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Name: MT19937

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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The ziggurat methods were derived from Julia.

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Keith Packard wrote the pcf driver found in XFree86. His work is at
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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained optimization, i.e. for problems where the only constraints are of the form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke <cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004. The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was written by Ciyou Zhu, Richard Byrd, and Jorge Nocedal <nocedal@ece.nwu.edu>. It carries the following condition for use:

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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """
```

```
The Python wrapper
==================

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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```
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```

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```
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```
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(From clamav README.md)

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(From clamav README.md)

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    clause that prohibits reverse engineering a RAR compression algorithm from
    the UnRAR decompression code.
    For this reason, libclamunrar/libclamunrar_iface is not linked at all with
    libclamav. It is instead loaded at run-time. If it fails to load, ClamAV
    will continue running without RAR support.



--------------------------------(separator)--------------------------------
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----------

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---------------------------------(separator)---------------------------------
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----------
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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006

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endif::[]
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* Source: https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2

maven-plugin-annotations (3.5)

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* Source:
   https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-
annotations

maven-plugin-api (3.5.2)

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OSGi Service Platform Core Companion Code (6.0)

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* Project: https://testng.org/doc/index.html
* Source: https://github.com/cbeust/testng

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* Project: https://maven.apache.org/wagon/
* Source:
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lightweight/3.0.0

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....
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Version: {revnumber}

ifeval::["{revremark}" != ""]
Status: {revremark}
endif::[]
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pycparser
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pycparser -- A C parser in Python

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typing-extensions
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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

    Release   Derived   Year   Owner   GPL-
                    from   compatible? (1)

    0.9.0 thru 1.2   1991-1995   CWI   yes
    1.3 thru 1.5.2 1.2   1995-1999   CNRI   yes
    1.6   1.5.2   2000   CNRI   no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
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Thanks to the many outside volunteers who have worked under Guido's
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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
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Dexie 4.0.4

David Fahlander

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dill 0.3.8

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dill 0.3.8 doesn't have any dependencies

DropWizard-core 4.0.1

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FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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JUnit (4.11)

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Mockito (2.16.0)

* Project: http://site.mockito.org
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Apache 2.0,EPL 2.0 ( same as org.eclipse.jetty:jetty-http)

-------------- Separator --------------

 ./NOTICE.txt

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```

```
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 ./jetty-distribution-remote-resources/src/main/resources/license-eplv10-
aslv20.html

EPL 1.0,Apache 2.0 ( same as org.eclipse.jetty.toolchain.setuid:jetty-setuid-
java)

-------------- Separator --------------

 ./jetty-artifact-remote-resources/src/main/resources/META-INF/NOTICE.txt

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------
Eclipse

The following artifacts are EPL.
 * org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
 * org.eclipse.jetty.orbit:javax.security.auth.message




------


------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

 * java.sun.security.ssl
```

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from
following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
  org.apache.tomcat:tomcat-jasper
  org.apache.tomcat:tomcat-juli
  org.apache.tomcat:tomcat-jsp-api
  org.apache.tomcat:tomcat-el-api
  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-api
  org.apache.tomcat:tomcat-util-scan
  org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
  org.apache.tomcat:tomcat-jasper-el
  org.apache.tomcat:tomcat-el-api

Assorted

The UnixCrypt.java code implements the one way cryptography used by
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Apache 2.0 (same as com.fasterxml.jackson.core:jackson-annotations)

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./jetty-distribution-remote-resources/src/main/resources/license-eplv10-aslv20.html

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```
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<html><head>


<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Eclipse.org Software User Agreement</title>
</head><body lang="EN-US" link="blue" vlink="purple">
<h2>Eclipse Foundation Software User Agreement</h2>
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```

```
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EDL 1.0 (same as org.glassfish.jersey.containers:jersey-container-servlet-core)

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 ./NOTICE.md

(Notice same as org.glassfish.jersey.containers:jersey-container-servlet-core)

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Dependency: org.hibernate.validator:hibernate-validator
Copyright: Hibernate.org
License: Apache 2.0

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Apache 2.0 (same as com.fasterxml.jackson.core:jackson-annotations)

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Dependency: org.javassist:javassist
Copyright: Shigeru Chiba
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DropWizard-core 4.0.4

Code Hale, Inc., Yammer Inc. and the Dropwizard Team

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Artifact : io.dropwizard:dropwizard-core:4.0.4
Copyright: Coda Hale, Yammer Inc
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core
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Other developers who have contributed code are:

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https://github.com/eclipse-ee4j/injection-api
https://github.com/eclipse-ee4j/injection-spec
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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN">
<html><head>


<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Eclipse.org Software User Agreement</title>
</head><body lang="EN-US" link="blue" vlink="purple">
<h2>Eclipse Foundation Software User Agreement</h2>
<p>March 17, 2005</p>

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Dependency: org.glassfish.jersey.core:jersey-server
Copyright: jersey
=== Source URL: https://github.com/eclipse-ee4j/jersey/tree/3.0.12/core-server
License: Apache 2.0
```

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Dependency: org.glassfish.jersey.ext:jersey-bean-validation
Copyright: jersey
=== Source URL: https://github.com/eclipse-ee4j/jersey/tree/3.0.12/ext/bean-validation
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```
Dependency: org.glassfish.jersey.ext:jersey-metainf-services
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=== Source URL: https://github.com/hibernate/hibernate-validator//tree/
7.0.5.Final/engine
License: Apache 2.0

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dropwizard-util 4.0.1

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```
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    "numpy" has bundled license that are included below
gluonts needs "pandas"
    "pandas" needs "numpy"
        "numpy" has bundled license that are included below
    "pandas" needs "python-dateutil"
        "python-dateutil" needs "six"
            "six" doesn't have any dependencies
    "pandas" needs "pytz"
        "pytz" doesn't have any dependencies
    "pandas" needs "tzdata"
        "tzdata" doesn't have any dependencies
gluonts needs "pydantic"
    "pydantic" needs "annotated-types"
        "annotated-types" doesn't have any dependencies
    "pydantic" needs "pydantic_core"
        "pydantic_core" needs "typing_extensions"
```

```
                "typing_extensions" doesn't have any dependencies
        "pydantic" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    gluonts needs "toolz"
        "toolz" doesn't have any dependencies
    gluonts needs "tqdm"
        "tqdm" doesn't have any dependencies
    gluonts needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
```

```
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Files: numpy/_core/src/multiarray/dragon4.c
License: MIT
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 * implementation, obtained from https://www.ryanjuckett.com,
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 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */


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Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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    zlib License
  ------------

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
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Release	Derived from	Year	Owner	GPL-compatible? (1)
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
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1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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 */

public interface Api
{
    void checkVersion1();
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com.google.auto.value:auto-value-annotations

com.google.api.grpc:proto-google-common-protos

com.google.api.grpc:proto-google-analytics-data-v1alpha

com.google.api.grpc:proto-google-analytics-data-v1beta

com.google.guava:failureaccess

com.google.guava:listenablefuture

com.google.j2objc:j2objc-annotations

com.google.guava:guava

com.google.android:annotations

com.google.code.gson:gson

com.google.http-client:google-http-client

com.google.http-client:google-http-client-gson

com.google.protobuf:protobuf-java-util

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io.grpc:grpc-protobuf

io.grpc:grpc-protobuf-lite

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io.perfmark:perfmark-api

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org.codehaus.mojo:animal-sniffer-annotations

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*/

public interface Api

{

void checkVersion1();

}

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io.opencensus:opencensus-api

io.opencensus:opencensus-contrib-http-util

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org.springframework.boot:spring-boot

org.springframework.boot:spring-boot-autoconfigure

org.springframework.boot:spring-boot-starter

org.springframework.boot:spring-boot-starter-data-rest

org.springframework.boot:spring-boot-starter-json

org.springframework.boot:spring-boot-starter-logging

org.springframework.boot:spring-boot-starter-tomcat

org.springframework.boot:spring-boot-starter-web

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ch.qos.logback:logback-core

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FOURTH-PARTY DEPENDENCY #4 NAME : com.fasterxml.jackson.core:jackson-databind

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*

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*/

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com.fasterxml.jackson.dataformat:jackson-dataformat-csv

com.fasterxml.jackson.dataformat:jackson-dataformat-xml

com.fasterxml.jackson.dataformat:jackson-dataformat-yaml

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== NAME OF DEPENDENCY 3

com.fasterxml.jackson.datatype:jackson-datatype-jdk8

com.fasterxml.jackson.datatype:jackson-datatype-jsr310

com.fasterxml.jackson.module:jackson-module-parameter-names

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jakarta.annotation:jakarta.annotation-api

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Source Code

The project maintains the following source code repositories:

https://github.com/eclipse-ee4j/common-annotations-api

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net.minidev:accessors-smart

net.minidev:json-smart

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== NAME OF DEPENDENCY 7

org.apache.logging.log4j:log4j-to-slf4j

org.apache.logging.log4j:log4j-api

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TimeoutBlockingWaitStrategy.java and parts of Util.java

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FOURTH-PARTY DEPENDENCY #20 NAME : org.apache.tomcat.embed:tomcat-embed-core

FOURTH-PARTY DEPENDENCY #21 NAME : org.apache.tomcat.embed:tomcat-embed-el

FOURTH-PARTY DEPENDENCY #22 NAME : org.apache.tomcat.embed:tomcat-embed-websocket

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd

- javaee_web_services_1_2.xsd

- javaee_web_services_client_1_2.xsd

- javaee_6.xsd - javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd

- jsp_2_2.xsd - web-app_3_0.xsd

- web-common_3_0.xsd - web-fragment_3_0.xsd

- javaee_7.xsd - javaee_web_services_1_4.xsd

- javaee_web_services_client_1_4.xsd

- jsp_2_3.xsd - web-app_3_1.xsd

- web-common_3_1.xsd

- web-fragment_3_1.xsd

- javaee_8.xsd - web-app_4_0.xsd

- web-common_4_0.xsd

- web-fragment_4_0.xsd may be obtained from:

http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

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org.atteo:evo-inflector

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org.ow2.asm:asm

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== NAME OF DEPENDENCY 10

org.slf4j:slf4j-api

org.slf4j:jul-to-slf4j

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org.springframework.data:spring-data-rest-core

org.springframework.data:spring-data-rest-webmvc

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org.springframework:spring-aop

org.springframework:spring-beans

org.springframework:spring-context

org.springframework:spring-core

org.springframework:spring-expression

org.springframework:spring-jcl

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text-segmentation

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Jackson Annotations 2.15.3

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    Top level component : jackson-annotations 2.15.3
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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers.

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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SigTest (n/a)

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Jakarta Persistence API (JPA API) 3.2.0

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https://github.com/jakartaee/persistence
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Jakarta Restful Web Services JAX-RS API, version 3.1.0

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Fourth Party Dependencies

Jakarta Activation API (JAF) (jakarta.activation:jakarta.activation-api)

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Jakarta Servlet, version 6.0.0

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* https://github.com/eclipse-ee4j/jax-rpc-ri

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* Source: http://schemas.xmlsoap.org/ws/2004/08/addressing/

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Apache Ant (1.6)

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  https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html

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mex.xsd Version: 2004/09 (n/a)

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* Project: https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II
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* Project: https://github.com/FasterXML/stax2-api
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xmlsec (1.5.8)

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* Source:
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Below is the Apache License definition for some fouth party dependencies

We have defined the fourth party dependencies along with their respective License names in next section

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file-management (3.0.0)

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Project: https://maven.apache.org/shared/file-management/
Source: https://svn.apache.org/viewvc/maven/shared/tags/file-management-3.0.0/
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Project: https://maven.apache.org/ref/3.5.2/maven-core/index.html
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License: Apache-2.0
Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/
Source: https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations
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Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
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JUnit (4.12)

License: Eclipse Public License
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https://github.com/eclipse-ee4j/metro-mimepull
https://github.com/eclipse-ee4j/metro-ws-test-harness
https://github.com/eclipse-ee4j/metro-package-rename-task
https://github.com/eclipse-ee4j/metro-jax-ws
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Project: https://ant.apache.org/
Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar
Apache Ant (1.6)

License: Apache-1.1
Project: https://ant.apache.org/
Source: https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar
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Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
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maven-resolver-api (1.1.1)

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maven-resolver-util (1.1.1)

License: Apache-2.0
maven-settings (3.5.2)

License: Apache-2.0
mex.xsd Version: 2004/09 (n/a)

License: Oasis Style
Project: https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II
Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd
plexus-utils (3.1.0)

License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)
relaxng-datatype (1.0)

License: New BSD license
stax2-api (4.1)

License: Pending
Project: https://github.com/FasterXML/stax2-api
Source: http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar
testng (6.14.2)

License: Apache-2.0 AND MIT
Project: https://testng.org/doc/index.html
Source: https://github.com/cbeust/testng
woodstox-core-asl (4.4.1)

License: Apache-2.0
woodstox-core-asl (5.1.0)

License: Apache-2.0
Project: https://github.com/FasterXML/woodstox
Source: https://github.com/FasterXML/woodstox
ws-addr.wsd (1.0)

License: W3C
Project: https://www.w3.org/2005/08/addressing/
Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd
wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style
Project: http://schemas.xmlsoap.org/ws/2004/10/wsat/
Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd
wscoor.xsd (1.0)

License: OASIS Style
wscoor.xsd (1.1)

License: Oasis (Custom)
Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
Source: http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd
wsrm Version: 2005/02 (n/a)

License: Oasis (Custom)
Project: http://schemas.xmlsoap.org/ws/2005/02/rm/

Source: http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://
schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd
wsrm.xsd (1.2)

License: Oasis
wstx-wsat.xsd (1.1)

License: Oasis (Custom)
xmlsec (1.5.8)

License: Apache-2.0
Project: http://santuario.apache.org/
Source: https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/
xmlsec-1.5.8-sources.jar
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https://github.com/eclipse-ee4j/eclipselink-oracleddlparser
https://github.com/eclipse-ee4j/eclipselink-examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng

https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal
https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator
https://git.eclipse.org/r/plugins/gitiles/eclipselink/javax.persistence
https://git.eclipse.org/r/plugins/gitiles/eclipselink/oracleddlparser
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ANTLR Runtime only (3.5.2)

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Project: http://www.antlr3.org/
Source: http://repo1.maven.org/maven2/org/antlr/antlr-runtime/3.5.2/antlr-runtime-3.5.2-sources.jar
ANTLR Runtime only: Version (3.2)

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Apache Ant (1.7.0)

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Bean Validation API (1.0)

License: Apache License, 2.0
Source: http://anonsvn.jboss.org/repos/hibernate/beanvalidation/trunk/validation-api/

Bean Validation API (1.0.0)

License: Apache License, 2.0
Project: http://repository.jboss.com/maven2/javax/validation/validation-api/1.0.0.GA/
Source: http://repository.jboss.com/maven2/javax/validation/validation-api/1.0.0.GA/
Bean Validation API (1.1.0)

License: Apache License, 2.0
Project: http://beanvalidation.org/
Bean Validation API (2.0.1)

License: Apache-2.0
Project: http://beanvalidation.org/
Source: https://github.com/beanvalidation/beanvalidation-api/releases/tag/2.0.1.Final
bnd (0.0.351)

License: Apache License, 2.0
Project: http://sourceforge.net/projects/bnd/
Source: http://sourceforge.net/projects/bnd/
cdi-api (1.0)

License: Apache License, 2.0
cdi-api 2.0 (JSR 365: Contexts and Dependency Injection for Java (2.0)

License: Apache-2.0
Project: http://www.cdi-spec.org/
Source: http://repo1.maven.org/maven2/javax/enterprise/cdi-api/2.0/cdi-api-2.0-sources.jar
Classmate library (1.0.0)

License: Apache License, 2.0
Project: http://github.com/cowtowncoder/java-classmate
Source: https://github.com/cowtowncoder/java-classmate/archive/classmate-1.0.0.tar.gz
commons-logging-1.1.1.jar (1.1.1)

License: Apache License, 2.0
Project: http://commons.apache.org/logging/
Source: http://apache.siamwebhosting.com/commons/logging/binaries/commons-logging-1.1.1-bin.zip
EJB (3.0)

License: Common Development and Distribution License
Project: http://java.sun.com/products/ejb/
ejb-api (3.1.1)

License: Common Development and Distribution License
Expression Language API (2.2)

License: Common Development and Distribution License, Apache 2.0 License
Project: https://uel.java.net/
Source: http://download.java.net/maven/2/javax/el/el-api/2.2/el-api-2.2-sources.jar
Expression Language Implementation (2.2.2)

License: Common Development and Distribution License
Project: https://uel.java.net/
Source: http://search.maven.org/remotecontent?filepath=org/glassfish/web/javax.el/2.2.2/javax.el-2.2.2-sources.jar
geronimo activation (1.1)

License: Apache License, 2.0
glassfish-corba-orb (4.2.0)

License: CDDL-1.1 OR GPL-2.0 With Classpath-exception-2.0
gmbal (4.0.0)

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Project: https://javaee.github.io/gmbal/
Source: https://github.com/javaee/gmbal
gmbal-api (3.2.0)

License: CDDL-1.1 or GPL-2.0 OR GPL-2.0 WITH Classpath-exception-2.0
Project: https://javaee.github.io/gmbal/
Source: https://github.com/javaee/gmbal
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hk2-utils (2.3.0)

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Java API for JSON Processing JSR-353 (JSON-P) (0.0.99)

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Project: http://json-processing-spec.java.net
Source: http://java.net/projects/jsonp
Java API for JSON Processing JSR-353 (JSON-P) (1.0)

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Project: http://jsonp.java.net/
Source: http://search.maven.org/remotecontent?filepath=javax/json/javax.json-api/1.0/javax.json-api-1.0-sources.jar
Java API for JSON Processing RI JSR-353 (1.0)

License: Common Development and Distribution License
Project: http://jsonp.java.net/
Source: http://search.maven.org/remotecontent?filepath=org/glassfish/javax.json/1.0/javax.json-1.0-sources.jar
Java Transaction (JTA) (1.1)

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Java Transaction API (1.3)

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Javax.interceptor API (1.2)

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License: Common Development and Distribution License
Project: https://jsonp.java.net
Source: http://central.maven.org/maven2/org/glassfish/javax.json/1.0.4/
javax.json-1.0.4-sources.jar
javax.json.bind-api (1.0)

License: Common Development and Distribution License
Project: https://java.net/projects/jsonb-spec/pages/Home
Source: https://java.net/projects/jsonb-spec/sources/git/show
javax.ws.rs (2.0.1)

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JAX-RS (JSR311) API (1.1.1)

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Project: https://jsr311.dev.java.net/
Source: http://download.java.net/maven/2/javax/ws/rs/jsr311-api/1.1/jsr311-
api-1.1-sources.jar
JAXB (2.1.9)

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JAXB (2.1.12)

License: BSD, Apache 2.0, CDDL, Public Domain, MIT License, Apache 1.1
JAXB 2.0 Reference Implementation (jaxb-impl.jar) (2.0.5)

License: Common Development and Distribution License
JAXB IMPL (2.1.12)

License: Common Development and Distribution License
Project: https://jaxb.dev.java.net/2.1.12/
Source: https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar
JAXB 2.0 XJC (2.0.5)

License: Common Development and Distribution License
JAXB 2.2 API (Binary only) (2.2)

License: Common Development and Distribution License
Project: https://jaxb.dev.java.net/2.2/
Source: https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar
JAXB 2.2 Impl (Binary only) (2.2)

License: Common Development and Distribution License
JAXB 2.2 XJC (Binary) (2.2)

License: BSD, CDDL, Public Domain
Project: https://jaxb.dev.java.net/2.2/
Source: https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar
JAXB API (2.2.12)

License: Common Development and Distribution License
Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-388&g=javax.xml.bind&a=jaxb-api&v=2.2.12-b140109.1041&e=jar&c=sources
JAXB API (2.1.12)

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Project: https://jaxb.dev.java.net/2.1.12/
Source: https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar
JAXB CORE (2.2.11)

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Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-535&g=org.glassfish.jaxb&a=jaxb-core&v=2.2.11-M1&e=jar&c=sources
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JAXB-API 2.0 (2.0)

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Jaxws-api-2.0.jar (2.0)

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JCA 1.6 (1.6)

License: Common Development and Distribution License
JCA Connector (1.5)

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Jersey Common (2.0)

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Project: http://jersey.java.net/
Source: https://github.com/jersey/jersey
Jersey Core (1.8.0)

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Jersey Guava Repackaged (2.14)

License: Apache License, 2.0
Jersey Server (2.0)

License: Common Development and Distribution License
Project: http://jersey.java.net/
Source: https://github.com/jersey/jersey
jersey-client (2.14)

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jersey-common (2.14)

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jgroups (4.1.8)

License: Apache-2.0 AND CC-BY-2.5 AND LicenseRef-Public-Domain
JMS (1.1)

License: Common Development and Distribution License
JPA (2.0)

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Project: http://jcp.org/en/jsr/detail?id=317
JPA (Javax Persistence Jar) (1.0)

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Logback Classic (1.0.7)

License: Eclipse Public License
Logback Core (1.0.7)

License: Eclipse Public License
logback-classic (1.3.0)

License: EPL-1.0 OR LGPL-2.1
management-api (3.2.1)

License: (CDDL-1.1 OR GPL-2.0-only OR GPL-2.0-only WITH Classpath-exception-2.0)
Project: https://javaee.github.io/gmbal-commons/
Source: https://github.com/javaee/gmbal-commons
MongoDB Java Driver (2.7.3)

License: Apache License, 2.0, Eclipse Public License (One File)
MongoDB Java Driver (2.10.1)

License: Apache License, 2.0
mongodb java driver (3.2.0)

License: Apache License, 2.0, Creative Commons Attribution License 2.5, Public Domain
Project: https://docs.mongodb.org/ecosystem/drivers/java/
Source: http://central.maven.org/maven2/org/mongodb/mongo-java-driver/3.2.0/mongo-java-driver-3.2.0-sources.jar
mongodb java driver (3.11.2)

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opencsv (1.8)

License: Apache License, 2.0
Project: http://opencsv.sourceforge.net/
Source: http://downloads.sourceforge.net/opencsv/opencsv-1.8-src-with-libs.tar.gz?modtime=1185864370&big_mirror=0
oracle-nosql-client (18.3.10)

License: Apache-2.0
org.apache.ant (1.6.5)

License: Apache License, 2.0
Project: http://ant.apache.org/
org.apache.felix.framework (6.0.3)

License: Pending
org.osgi.core (1.2.0)

License: Apache-2.0
org.osgi.core (6.0.0)

License: Apache-2.0
OSGi Enterprise Specification APIs (4.2)

License: Apache License, 2.0
osgi.compendium (4.1.0)

License: Apache License, 2.0
osgi.core (4.1.0)

License: Apache License, 2.0
pax-exam (n/a)

License: Pending
pax-exam-container-forked (4.13.1)

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pax-exam-junit4 (4.13.1)

License: Pending
pax-exam-link-mvn (4.13.1)

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saaj-api-1.3.jar (1.3)

License: Common Development and Distribution License
sdo Version: SDO (2.1.1)

License: SDO License (Custom)
Project: http://jcp.org/aboutJava/communityprocess/pr/jsr235/index.html
SLF4J API (1.7.2)

License: MIT License
slf4j-api (1.7.30)

License: MIT
slf4j-api (2.0.0)

License: MIT
spring-agent (2.5.3)

License: Apache License, 2.0
Project: http://www.springframework.org
Source: http://downloads.sourceforge.net/springframework/spring-framework-2.5.3-with-dependencies.zip?modtime=1204283106&big_mirror=0
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License: Apache-2.0
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License: Pending
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License: Common Public License 1.0
Xerces (2.9.0)

License: Apache License, 2.0
Xerces (2.12.0)

License: Apache-2.0 AND W3C-19980720
Project: http://xerces.apache.org/xerces2-j/
Source: https://svn.apache.org/repos/asf/xerces/java/tags/Xerces-J_2_12_0/
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https://github.com/eclipse-ee4j/eclipselink-examples
https://github.com/eclipse-ee4j/eclipselink-asm
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal
https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator
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Project: http://asm.ow2.org
Source: http://download.forge.ow2.org/asm/asm-5.1.tar.gz
asm (6.0)

License: BSD 3-Clause
Project: http://asm.ow2.org
Source: http://forge.ow2.org/project/download.php?group_id=23&file_id=21864
ASM (6.0)

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ASM (6.1.1)

License: BSD-3-Clause
Project: http://asm.ow2.org
Source: https://gitlab.ow2.org/asm/asm/tags/ASM_6_1_1
asm (6.2)

License: BSD-3-Clause
asm (7.1)

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ASM (7.2)

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ASM (7.3.1)

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jakarta.xml.ws:jakarta.xml.ws-api:4.0.0

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com.sun.xml.messaging.saaj:saaj-impl:3.0.0

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Source: http://schemas.xmlsoap.org/ws/2004/08/addressing/
ant-launcher (1.10.2)

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Project: https://ant.apache.org/
Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar
Apache Ant (1.6)

License: Apache-1.1
Project: https://ant.apache.org/
Source: https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar
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JUnit (4.12)

License: Eclipse Public License
maven-core (3.5.2)

License: Apache-2.0
maven-plugin-annotations (3.5.1)

License: Apache-2.0
Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
Source: https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations
maven-plugin-api (3.5.2)

License: Apache-2.0
Project: https://maven.apache.org/
Source: https://github.com/apache/maven/tree/master/maven-plugin-api
maven-resolver-api (1.1.1)

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maven-resolver-util (1.1.1)

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maven-settings (3.5.2)

License: Apache-2.0
mex.xsd Version: 2004/09 (n/a)

License: Oasis Style
Project: https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II
Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd
plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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stax2-api (4.1)

License: Pending
Project: https://github.com/FasterXML/stax2-api
Source: http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar
testng (6.14.2)

License: Apache-2.0 AND MIT
Project: https://testng.org/doc/index.html
Source: https://github.com/cbeust/testng
woodstox-core-asl (4.4.1)

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Project: https://github.com/FasterXML/woodstox
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ws-addr.wsd (1.0)

License: W3C
Project: https://www.w3.org/2005/08/addressing/
Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd
wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style
Project: http://schemas.xmlsoap.org/ws/2004/10/wsat/
Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd
wscoor.xsd (1.0)

License: OASIS Style
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Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
Source: http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd
wsrm Version: 2005/02 (n/a)

License: Oasis (Custom)
Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
Source: http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd
wsrm.xsd (1.2)

License: Oasis
wstx-wsat.xsd (1.1)

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xmlsec (1.5.8)

License: Apache-2.0
Project: http://santuario.apache.org/
Source: https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar
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jakarta.json-api 2.1.3

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Source Code
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https://github.com/eclipse-ee4j/jsonp
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* Project: https://commons.apache.org/proper/commons-logging/
* Source:
  http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar

JUnit (4.12)

* License: Eclipse Public License

maven-core (3.5.2)

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maven-plugin-annotations (3.5.1)

* License: Apache-2.0
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  https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
* Source:
  https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations

maven-plugin-api (3.5.2)

* License: Apache-2.0
* Project: https://maven.apache.org/
* Source: https://github.com/apache/maven/tree/master/maven-plugin-api

maven-resolver-api (1.1.1)

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maven-settings (3.5.2)

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mex.xsd Version: 2004/09 (n/a)

* License: Oasis Style
* Project: https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II
* Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd

plexus-utils (3.1.0)

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relaxng-datatype (1.0)

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stax2-api (4.1)

* License: Pending
* Project: https://github.com/FasterXML/stax2-api
* Source:
   http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-
api-4.1-sources.jar

testng (6.14.2)

* License: Apache-2.0 AND MIT
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* Source: https://github.com/cbeust/testng

woodstox-core-asl (4.4.1)

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woodstox-core-asl (5.1.0)

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* Project: https://github.com/FasterXML/woodstox
* Source: https://github.com/FasterXML/woodstox

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* License: W3C
* Project: https://www.w3.org/2005/08/addressing/
* Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd

wsat.xsd Version: 2004/10 (n/a)

* License: Oasis Style
* Project: http://schemas.xmlsoap.org/ws/2004/10/wsat/
* Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd

wscoor.xsd (1.0)

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* License: Oasis (Custom)
* Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
* Source:
   http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-
schema-200701.xsd

wsrm Version: 2005/02 (n/a)

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```

```
* Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
* Source:
   http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://
schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd

wsrm.xsd (1.2)

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wstx-wsat.xsd (1.1)

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xmlsec (1.5.8)

* License: Apache-2.0
* Project: http://santuario.apache.org/
* Source:
   https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-
sources.jar

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Project: https://wiki.openjdk.java.net/display/CodeTools/sigtest
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file-management (3.0.0)

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Project: https://maven.apache.org/shared/file-management/
Source: https://svn.apache.org/viewvc/maven/shared/tags/file-management-3.0.0/
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Project: https://maven.apache.org/ref/3.5.2/maven-compat/
Source: https://mvnrepository.com/artifact/org.apache.maven/maven-compat/3.5.2
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License: Apache-2.0
Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/
Source: https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations
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Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
Source: https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file
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https://github.com/eclipse-ee4j/metro-ws-test-harness
https://github.com/eclipse-ee4j/metro-package-rename-task
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Source: http://schemas.xmlsoap.org/ws/2004/08/addressing/
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Project: https://ant.apache.org/
Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar
Apache Ant (1.6)

License: Apache-1.1
Project: https://ant.apache.org/
Source: https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar
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maven-plugin-annotations (3.5.1)

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Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
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maven-plugin-api (3.5.2)

License: Apache-2.0
Project: https://maven.apache.org/
Source: https://github.com/apache/maven/tree/master/maven-plugin-api
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mex.xsd Version: 2004/09 (n/a)

License: Oasis Style
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Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd
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stax2-api (4.1)

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Project: https://github.com/FasterXML/stax2-api
Source: http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar
testng (6.14.2)

License: Apache-2.0 AND MIT
Project: https://testng.org/doc/index.html
Source: https://github.com/cbeust/testng
woodstox-core-asl (4.4.1)

License: Apache-2.0

woodstox-core-asl (5.1.0)

License: Apache-2.0
Project: https://github.com/FasterXML/woodstox
Source: https://github.com/FasterXML/woodstox
ws-addr.wsd (1.0)

License: W3C
Project: https://www.w3.org/2005/08/addressing/
Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd
wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style
Project: http://schemas.xmlsoap.org/ws/2004/10/wsat/
Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd
wscoor.xsd (1.0)

License: OASIS Style
wscoor.xsd (1.1)

License: Oasis (Custom)
Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
Source: http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd
wsrm Version: 2005/02 (n/a)

License: Oasis (Custom)
Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
Source: http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd
wsrm.xsd (1.2)

License: Oasis
wstx-wsat.xsd (1.1)

License: Oasis (Custom)
xmlsec (1.5.8)

License: Apache-2.0
Project: http://santuario.apache.org/
Source: https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar
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https://github.com/eclipse-ee4j/eclipselink-oracleddlparser
https://github.com/eclipse-ee4j/eclipselink-examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal
https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator
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Source: http://repo1.maven.org/maven2/org/antlr/antlr-runtime/3.5.2/antlr-runtime-3.5.2-sources.jar
ANTLR Runtime only: Version (3.2)

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Bean Validation API (1.0)

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Source: http://anonsvn.jboss.org/repos/hibernate/beanvalidation/trunk/validation-api/
Bean Validation API (1.0.0)

License: Apache License, 2.0
Project: http://repository.jboss.com/maven2/javax/validation/validation-api/1.0.0.GA/
Source: http://repository.jboss.com/maven2/javax/validation/validation-api/1.0.0.GA/
Bean Validation API (1.1.0)

License: Apache License, 2.0
Project: http://beanvalidation.org/
Bean Validation API (2.0.1)

License: Apache-2.0
Project: http://beanvalidation.org/
Source: https://github.com/beanvalidation/beanvalidation-api/releases/tag/2.0.1.Final
bnd (0.0.351)

License: Apache License, 2.0
Project: http://sourceforge.net/projects/bnd/
Source: http://sourceforge.net/projects/bnd/
cdi-api (1.0)

License: Apache License, 2.0
cdi-api 2.0 (JSR 365: Contexts and Dependency Injection for Java (2.0)

License: Apache-2.0
Project: http://www.cdi-spec.org/
Source: http://repo1.maven.org/maven2/javax/enterprise/cdi-api/2.0/cdi-api-2.0-

sources.jar
Classmate library (1.0.0)

License: Apache License, 2.0
Project: http://github.com/cowtowncoder/java-classmate
Source: https://github.com/cowtowncoder/java-classmate/archive/
classmate-1.0.0.tar.gz
commons-logging-1.1.1.jar (1.1.1)

License: Apache License, 2.0
Project: http://commons.apache.org/logging/
Source: http://apache.siamwebhosting.com/commons/logging/binaries/commons-
logging-1.1.1-bin.zip
EJB (3.0)

License: Common Development and Distribution License
Project: http://java.sun.com/products/ejb/
ejb-api (3.1.1)

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Expression Language API (2.2)

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Project: https://uel.java.net/
Source: http://download.java.net/maven/2/javax/el/el-api/2.2/el-api-2.2-
sources.jar
Expression Language Implementation (2.2.2)

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Project: https://uel.java.net/
Source: http://search.maven.org/remotecontent?filepath=org/glassfish/web/
javax.el/2.2.2/javax.el-2.2.2-sources.jar
geronimo activation (1.1)

License: Apache License, 2.0
glassfish-corba-orb (4.2.0)

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Source: https://github.com/javaee/gmbal
gmbal-api (3.2.0)

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Project: https://javaee.github.io/gmbal/
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Source: http://java.net/projects/jsonp
Java API for JSON Processing JSR-353 (JSON-P) (1.0)

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Project: http://jsonp.java.net/
Source: http://search.maven.org/remotecontent?filepath=javax/json/javax.json-api/1.0/javax.json-api-1.0-sources.jar
Java API for JSON Processing RI JSR-353 (1.0)

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Project: http://jsonp.java.net/
Source: http://search.maven.org/remotecontent?filepath=org/glassfish/javax.json/1.0/javax.json-1.0-sources.jar
Java Transaction (JTA) (1.1)

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Project: https://jsonp.java.net
Source: http://central.maven.org/maven2/org/glassfish/javax.json/1.0.4/javax.json-1.0.4-sources.jar
javax.json.bind-api (1.0)

License: Common Development and Distribution License
Project: https://java.net/projects/jsonb-spec/pages/Home
Source: https://java.net/projects/jsonb-spec/sources/git/show
javax.ws.rs (2.0.1)

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JAX-RS (JSR311) API (1.1.1)

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Project: https://jsr311.dev.java.net/
Source: http://download.java.net/maven/2/javax/ws/rs/jsr311-api/1.1/jsr311-

```
api-1.1-sources.jar
JAXB (2.1.9)

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JAXB (2.1.12)

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JAXB 2.0 Reference Implementation (jaxb-impl.jar) (2.0.5)

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JAXB IMPL (2.1.12)

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Project: https://jaxb.dev.java.net/2.1.12/
Source: https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar
JAXB 2.0 XJC (2.0.5)

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JAXB 2.2 API (Binary only) (2.2)

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Project: https://jaxb.dev.java.net/2.2/
Source: https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar
JAXB 2.2 Impl (Binary only) (2.2)

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Project: https://jaxb.dev.java.net/2.2/
Source: https://jaxb.dev.java.net/2.2/JAXB2_20091104.jar
JAXB API (2.2.12)

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Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-388&g=javax.xml.bind&a=jaxb-api&v=2.2.12-b140109.1041&e=jar&c=sources
JAXB API (2.1.12)

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Project: https://jaxb.dev.java.net/2.1.12/
Source: https://jaxb.dev.java.net/2.1.12/JAXB2_20090708.jar
JAXB CORE (2.2.11)

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Project: https://jaxb.java.net/
Source: https://maven.java.net/service/local/artifact/maven/redirect?
r=metro-535&g=org.glassfish.jaxb&a=jaxb-core&v=2.2.11-M1&e=jar&c=sources
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JAXB-API 2.0 (2.0)

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License: Common Development and Distribution License
JCA Connector (1.5)

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Jersey Common (2.0)

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Project: http://jersey.java.net/
Source: https://github.com/jersey/jersey
Jersey Core (1.8.0)

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Jersey Guava Repackaged (2.14)

License: Apache License, 2.0
Jersey Server (2.0)

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Project: http://jersey.java.net/
Source: https://github.com/jersey/jersey
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JMS (1.1)

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JPA (2.0)

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Project: http://jcp.org/en/jsr/detail?id=317
JPA (Javax Persistence Jar) (1.0)

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Logback Classic (1.0.7)

License: Eclipse Public License
Logback Core (1.0.7)

License: Eclipse Public License
logback-classic (1.3.0)

License: EPL-1.0 OR LGPL-2.1
management-api (3.2.1)

License: (CDDL-1.1 OR GPL-2.0-only OR GPL-2.0-only WITH Classpath-exception-2.0)
Project: https://javaee.github.io/gmbal-commons/
Source: https://github.com/javaee/gmbal-commons
MongoDB Java Driver (2.7.3)

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MongoDB Java Driver (2.10.1)

License: Apache License, 2.0
mongodb java driver (3.2.0)

License: Apache License, 2.0, Creative Commons Attribution License 2.5, Public Domain
Project: https://docs.mongodb.org/ecosystem/drivers/java/
Source: http://central.maven.org/maven2/org/mongodb/mongo-java-driver/3.2.0/mongo-java-driver-3.2.0-sources.jar
mongodb java driver (3.11.2)

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opencsv (1.8)

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Project: http://opencsv.sourceforge.net/
Source: http://downloads.sourceforge.net/opencsv/opencsv-1.8-src-with-libs.tar.gz?modtime=1185864370&big_mirror=0
oracle-nosql-client (18.3.10)

License: Apache-2.0
org.apache.ant (1.6.5)

License: Apache License, 2.0
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org.apache.felix.framework (6.0.3)

License: Pending
org.osgi.core (1.2.0)

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org.osgi.core (6.0.0)

License: Apache-2.0
OSGi Enterprise Specification APIs (4.2)

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osgi.compendium (4.1.0)

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saaj-api-1.3.jar (1.3)

License: Common Development and Distribution License
sdo Version: SDO (2.1.1)

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Project: http://jcp.org/aboutJava/communityprocess/pr/jsr235/index.html
SLF4J API (1.7.2)

License: MIT License
slf4j-api (1.7.30)

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Project: http://www.springframework.org
Source: http://downloads.sourceforge.net/springframework/spring-framework-2.5.3-with-dependencies.zip?modtime=1204283106&big_mirror=0
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StAX-API.Jar (1.0.1)

License: Apache License, 2.0
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License: Common Public License 1.0
Xerces (2.9.0)

License: Apache License, 2.0
Xerces (2.12.0)

License: Apache-2.0 AND W3C-19980720
Project: http://xerces.apache.org/xerces2-j/
Source: https://svn.apache.org/repos/asf/xerces/java/tags/Xerces-J_2_12_0/
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https://github.com/eclipse-ee4j/eclipselink-asm
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.releng
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.runtime
https://git.eclipse.org/r/plugins/gitiles/eclipselink/eclipselink.utils.temp
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/mysports
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/nosql
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/performance
https://git.eclipse.org/r/plugins/gitiles/eclipselink/examples/temporal
https://git.eclipse.org/r/plugins/gitiles/eclipselink/incubator
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Source: http://download.forge.ow2.org/asm/asm-5.1.tar.gz
asm (6.0)

License: BSD 3-Clause
Project: http://asm.ow2.org
Source: http://forge.ow2.org/project/download.php?group_id=23&file_id=21864
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Project: http://asm.ow2.org
Source: https://gitlab.ow2.org/asm/asm/tags/ASM_6_1_1
asm (6.2)

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jakarta.xml.ws:jakarta.xml.ws-api:4.0.0

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Project: https://ant.apache.org/
Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar
Apache Ant (1.6)

License: Apache-1.1
Project: https://ant.apache.org/
Source: https://repo1.maven.org/maven2/ant/ant/1.6/ant-1.6-sources.jar
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Source: http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar
JUnit (4.12)

License: Eclipse Public License
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maven-plugin-annotations (3.5.1)

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Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html
Source: https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations
maven-plugin-api (3.5.2)

License: Apache-2.0
Project: https://maven.apache.org/
Source: https://github.com/apache/maven/tree/master/maven-plugin-api

maven-resolver-api (1.1.1)

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maven-settings (3.5.2)

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mex.xsd Version: 2004/09 (n/a)

License: Oasis Style
Project: https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II
Source: http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd
plexus-utils (3.1.0)

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License: Pending
Project: https://github.com/FasterXML/stax2-api
Source: http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/
stax2-api-4.1-sources.jar
testng (6.14.2)

License: Apache-2.0 AND MIT
Project: https://testng.org/doc/index.html
Source: https://github.com/cbeust/testng
woodstox-core-asl (4.4.1)

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Project: https://github.com/FasterXML/woodstox
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ws-addr.wsd (1.0)

License: W3C
Project: https://www.w3.org/2005/08/addressing/
Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd
wsat.xsd Version: 2004/10 (n/a)

License: Oasis Style
Project: http://schemas.xmlsoap.org/ws/2004/10/wsat/
Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd
wscoor.xsd (1.0)

License: OASIS Style
wscoor.xsd (1.1)

License: Oasis (Custom)
Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
Source: http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-

schema-200701.xsd
wsrm Version: 2005/02 (n/a)

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Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
Source: http://schemas.xmlsoap.org/ws/2005/02/rm/wsrm.xsd;%20http://
schemas.xmlsoap.org/ws/2005/02/rm/wsrm-policy.xsd
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Javassist 3.30.2-GA

Shigeru Chiba

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 * [The API repository](https://github.com/eclipse-ee4j/beanvalidation-api)
 * [The TCK repository](https://github.com/eclipse-ee4j/beanvalidation-tck)

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 * [SnakeYAML](https://bitbucket.org/asomov/snakeyaml/src) - Apache License 2.0

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* https://github.com/eclipse-ee4j/glassfish-shoal
* https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck
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Jinja2 3.1.4

Armin Ronacher

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JNA 5.14.0

Timothy Wall

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net.java.dev.jna:jna

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slf4j-api

Simple Logging Facade for Java (SLF4J

- slf4j-api

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JSQLParser 4.9

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  Otherwise, if the work is a derivative of the Library, you may
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---------- Separator ----------

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4th party dependencies (as mentioned in https://github.com/Stuk/jszip/blob/master/package.json)

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lie

https://github.com/calvinmetcalf/lie/releases/tag/v3.3.0

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immediate

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set-immediate-shim

https://github.com/sindresorhus/set-immediate-shim

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readable-stream

https://github.com/nodejs/readable-stream

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inherits

https://github.com/isaacs/inherits

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string_decoder

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safe-buffer

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util-deprecate

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core-util-is

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isarray

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process-nextick-args

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---

jul-to-slf4j 2.0.7

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```
jul-to-slf4j

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Fourth Party Dependency

slf4j-api

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lifelines 0.29.0

Cameron Davidson-Pilon

```
package_name: lifelines
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license_text:
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```

```
 lifelines has dependencies on following libraries:

    lifelines needs "autograd"
        "autograd" needs "numpy"
            "numpy" has bundled license that are included below
    lifelines needs "autograd-gamma"
        "autograd-gamma" needs "autograd"
            "autograd" needs "numpy"
                "numpy" has bundled license that are included below
        "autograd-gamma" needs "scipy"
            "scipy" needs "numpy"
                "numpy" has bundled license that are included below
      "scipy" has bundled license that are included below
    lifelines needs "formulaic"
        "formulaic" needs "interface-meta"
            "interface-meta" doesn't have any dependencies
        "formulaic" needs "numpy"
            "numpy" has bundled license that are included below
        "formulaic" needs "pandas"
            "pandas" needs "numpy"
                "numpy" has bundled license that are included below
            "pandas" needs "python-dateutil"
                "python-dateutil" needs "six"
```

```
                    "six" doesn't have any dependencies
            "pandas" needs "pytz"
                "pytz" doesn't have any dependencies
            "pandas" needs "tzdata"
                "tzdata" doesn't have any dependencies
        "formulaic" needs "scipy"
            "scipy" needs "numpy"
                "numpy" has bundled license that are included below
      "scipy" has bundled license that are included below
        "formulaic" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
        "formulaic" needs "wrapt"
            "wrapt" doesn't have any dependencies
    lifelines needs "matplotlib"
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
                "numpy" has bundled license that are included below
        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
            "fonttools" doesn't have any dependencies
        "matplotlib" needs "kiwisolver"
            "kiwisolver" doesn't have any dependencies
        "matplotlib" needs "numpy"
            "numpy" has bundled license that are included below
        "matplotlib" needs "packaging"
            "packaging" doesn't have any dependencies
        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
        "matplotlib" needs "pyparsing"
            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    lifelines needs "numpy"
        "numpy" has bundled license that are included below
    lifelines needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    lifelines needs "scipy"
        "scipy" needs "numpy"
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    "scipy" has bundled license that are included below
```

```
______

package_name: autograd
license_type: MIT License
license_text:
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Name: dragon4
Files: numpy/_core/src/multiarray/dragon4.c
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 *
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 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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```
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Files: scipy/optimize/lbfgsb/*
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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):

"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
==================================

The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

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the wrapper around the Fortran code.

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.
```

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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

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GPL-compatible licenses make it possible to combine Python with
other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
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Thanks to the many outside volunteers who have worked under Guido's
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Chris Colbert began the Kiwi project in December 2013 in an effort to
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Julian Seward, jseward@acm.org
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****

Keith Packard wrote the pcf driver found in XFree86. His work is at
the same time the specification and the sample implementation of the
PCF format. Undoubtedly, this driver is inspired from his work.
```


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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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logback-classic 1.5.8

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logback-core 1.5.15

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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mapie 0.8.6

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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):
"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained optimization, i.e. for problems where the only constraints are of the form l<= x <= u.
"""
This is a Python wrapper (using F2PY) written by David M. Cooke <cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004. The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version in March 2012.
License of L-BFGS-B (Fortran code)
==================================
The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was written by Ciyou Zhu, Richard Byrd, and Jorge Nocedal <nocedal@ece.nwu.edu>. It carries the following condition for use:
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
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  """
The Python wrapper
==================
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the wrapper around the Fortran code.
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Example usage
=============
An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.
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metrics-core 4.2.26

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Jonathan Halterman

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Others whose work we've taken and included in NLTK, but who didn't directly contribute it:

Contributors to the Porter Stemmer

- Martin Porter
- Vivake Gupta
- Barry Wilkins
- Hiranmay Ghosh
- Chris Emerson

Authors of snowball arabic stemmer algorithm

- Assem Chelli
- Abdelkrim Aries
- Lakhdar Benzahia

---

nltk has dependencies on following libraries:

```
    nltk needs "click"
        "click" needs "importlib-metadata"
            "importlib-metadata" needs "typing-extensions"
                "typing-extensions" doesn't have any dependencies
            "importlib-metadata" needs "zipp"
                "zipp" doesn't have any dependencies
    nltk needs "joblib"
        "joblib" doesn't have any dependencies
    nltk needs "regex"
        "regex" doesn't have any dependencies
    nltk needs "tqdm"
        "tqdm" doesn't have any dependencies
```

```
package_name: click
license_type: BSD License
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```

```
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```
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license_type: Python Software Foundation License
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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team.  In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com).  In 2001, the Python Software
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non-profit organization created specifically to own Python-related
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All Python releases are Open Source (see http://www.opensource.org for
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    Release         Derived     Year        Owner       GPL-
                    from                                compatible? (1)
```

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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```
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license_type: Apache Software License 2.0
```

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Nimbus OAuth 2.0 SDK with OpenID Connect extensions 11.6

Connect2id Ltd.

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Nimbus OAuth 2.0 SDK with OpenID Connect extensions: com.nimbusds:oauth2-oidc-sdk

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as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for
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software.
In May 2000, Guido and the Python core development team moved to
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2.1	2.0+1.6.1	2001	PSF	no
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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PCG Random Number Generation for C.

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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--------------------------------------------------------------------------
dragon4
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```

```
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 *
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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--------------------------------------------------------------------------------
Name: dragon4
Files: numpy/_core/src/multiarray/dragon4.c
License: MIT
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 */
```

```
/*
 * This file contains a modified version of Ryan Juckett's Dragon4
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 * which has been ported from C++ to C and which has
 * modifications specific to printing floats in numpy.
 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
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    zlib License
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Files: .spin/cmds.py
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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The rk_random and rk_seed functions algorithms and the original design of the
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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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https://github.com/JuliaLang/julia/contributors

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    Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

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```
numpy 2.1.0 doesn't have any dependencies
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NumPy 2.1.1

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----------------------------------------------------------------------------
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/*
 * This file contains a modified version of Ryan Juckett's Dragon4
 * implementation, obtained from https://www.ryanjuckett.com,
 * which has been ported from C++ to C and which has
 * modifications specific to printing floats in numpy.
```

```
 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
License: Zlib
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard
J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus
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NOTICE_Modifications:

Changes to original Implementation:

ADD methods:
  Optional<IOException> getException()
  to get the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

  void resetError()
  to reset the exception stored by ICSVWriter, AbstractCSVWriter or CSVWriter

ADD Test-Cases:
    getExceptionReturnsException()
    getExceptionReturnsExceptionUsingPrintWriter()
    resetException()
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    resetError()

    to test the added methods


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pandas, version 2.0.3

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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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The ziggurat methods were derived from Julia.

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Java source files in src/test/java/org/w3c and XML/DTD files in src/test/
resources/xbean/dom/W3C.
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@types/node

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pako

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readable-stream

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core-util-is

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isarray
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process-nextick-args

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safe-buffer

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string_decoder

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util-deprecate

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Prophet 1.1.5

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```
package_name: prophet
license_type: MIT
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```

```
 prophet 1.1.5 has dependencies on following libraries:

    prophet needs "cmdstanpy"
        "cmdstanpy" needs "numpy"
            "numpy" has bundled license that are included below
        "cmdstanpy" needs "pandas"
            "pandas" needs "numpy"
                "numpy" has bundled license that are included below
            "pandas" needs "python-dateutil"
                "python-dateutil" needs "six"
                    "six" doesn't have any dependencies
            "pandas" needs "pytz"
                "pytz" doesn't have any dependencies
            "pandas" needs "tzdata"
                "tzdata" doesn't have any dependencies
        "cmdstanpy" needs "stanio"
            "stanio" needs "numpy"
                "numpy" has bundled license that are included below
        "cmdstanpy" needs "tqdm"
            "tqdm" doesn't have any dependencies
    prophet needs "holidays"
        "holidays" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    prophet needs "importlib_resources"
        "importlib_resources" doesn't have any dependencies
    prophet needs "matplotlib"
```

```
        "matplotlib" needs "contourpy"
            "contourpy" needs "numpy"
                "numpy" has bundled license that are included below
        "matplotlib" needs "cycler"
            "cycler" doesn't have any dependencies
        "matplotlib" needs "fonttools"
            "fonttools" doesn't have any dependencies
        "matplotlib" needs "kiwisolver"
            "kiwisolver" doesn't have any dependencies
        "matplotlib" needs "numpy"
            "numpy" has bundled license that are included below
        "matplotlib" needs "packaging"
            "packaging" doesn't have any dependencies
        "matplotlib" needs "pillow"
            "pillow" doesn't have any dependencies
        "matplotlib" needs "pyparsing"
            "pyparsing" doesn't have any dependencies
        "matplotlib" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
    prophet needs "numpy"
        "numpy" has bundled license that are included below
    prophet needs "pandas"
        "pandas" needs "numpy"
            "numpy" has bundled license that are included below
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    prophet needs "tqdm"
        "tqdm" doesn't have any dependencies
```

_____

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```

```
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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
    because its license has a choice of law clause. According to
    CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
    is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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Portions of code from MODP_ASCII - Ascii transformations (upper/lower, etc)
https://github.com/client9/stringencoders

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dateutil - Extensions to the standard Python datetime module.

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pyarrow 17.0.0

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numpy/core/src/multiarray/multiarraymodule.c#L2910

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java/vector/src/main/java/org/apache/arrow/vector/util/IntObjectHashMap.java
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pyarrow 17.0.0 has dependencies on following libraries:

    pyarrow needs "numpy"
        "numpy" doesn't have any dependencies

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PCG Random Number Generation for C.

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Name: MT19937

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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Name: Random

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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```

Also add information on how to contact you by electronic and paper mail.

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```
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```

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Version 3.1, 31 March 2009

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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dateutil - Extensions to the standard Python datetime module.
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==========

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```
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```

pytorch-lightning 2.4.0

William Falcon et al.

```
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license_text:
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                           Version 2.0, January 2004
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```

```
pytorch-lightning has dependencies on following libraries:

  pytorch-lightning needs "fsspec"
      "fsspec" doesn't have any dependencies
  pytorch-lightning needs "lightning-utilities"
      "lightning-utilities" needs "packaging"
          "packaging" doesn't have any dependencies
      "lightning-utilities" needs "setuptools"
          "setuptools" doesn't have any dependencies
      "lightning-utilities" needs "typing_extensions"
          "typing_extensions" doesn't have any dependencies
  pytorch-lightning needs "packaging"
      "packaging" doesn't have any dependencies
  pytorch-lightning needs "PyYAML"
      "PyYAML" doesn't have any dependencies
  pytorch-lightning needs "torch"
      "torch" needs "filelock"
          "filelock" doesn't have any dependencies
      "torch" needs "fsspec"
          "fsspec" doesn't have any dependencies
      "torch" needs "Jinja2"
          "Jinja2" needs "MarkupSafe"
              "MarkupSafe" doesn't have any dependencies
      "torch" needs "networkx"
          "networkx" doesn't have any dependencies
      "torch" needs "sympy"
          "sympy" needs "mpmath"
              "mpmath" doesn't have any dependencies
      "torch" needs "typing_extensions"
          "typing_extensions" doesn't have any dependencies
  pytorch-lightning needs "torchmetrics"
      "torchmetrics" needs "lightning-utilities"
          "lightning-utilities" needs "packaging"
              "packaging" doesn't have any dependencies
          "lightning-utilities" needs "setuptools"
              "setuptools" doesn't have any dependencies
          "lightning-utilities" needs "typing_extensions"
```

```
                "typing_extensions" doesn't have any dependencies
        "torchmetrics" needs "numpy"
            "numpy" has bundled license that are included in the LT

        "torchmetrics" needs "packaging"
            "packaging" doesn't have any dependencies
        "torchmetrics" needs "torch"
            "torch" needs "filelock"
                "filelock" doesn't have any dependencies
            "torch" needs "fsspec"
                "fsspec" doesn't have any dependencies
            "torch" needs "Jinja2"
                "Jinja2" needs "MarkupSafe"
                    "MarkupSafe" doesn't have any dependencies
            "torch" needs "networkx"
                "networkx" doesn't have any dependencies
            "torch" needs "sympy"
                "sympy" needs "mpmath"
                    "mpmath" doesn't have any dependencies
            "torch" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
    pytorch-lightning needs "tqdm"
        "tqdm" doesn't have any dependencies
    pytorch-lightning needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
```

_____

package_name: fsspec
license_type: BSD License
license_text:
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license_type: Apache-2.0
license_text:

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
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1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.2	2.1.1	2002	PSF	yes
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 *
 */

/*
 * gettimeofday.c
 *      Win32 gettimeofday() replacement
 *
 * src/port/gettimeofday.c
 *
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```
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Name: LAPACK
Files: numpy/.dylibs/libscipy_openblas*.so
Description: bundled in OpenBLAS
```

```
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Files: numpy/.dylibs/libquadmath*.so
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    GCC Quad-Precision Math Library
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```

```
    Written by Francois-Xavier Coudert  <fxcoudert@gcc.gnu.org>

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Description: dynamically linked to files compiled with gcc
Availability: https://gcc.gnu.org/git/?p=gcc.git;a=tree;f=libquadmath
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    Written by Francois-Xavier Coudert  <fxcoudert@gcc.gnu.org>

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ruptures 1.1.9

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
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form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
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The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
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  """

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Example usage
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An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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        "threadpoolctl" doesn't have any dependencies
```

```
package_name: joblib
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```

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```
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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```
  From the website for the L-BFGS-B code (from at
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"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""

This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.

License of L-BFGS-B (Fortran code)
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The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
      ACM Transactions on Mathematical Software, 38, 1.
  """

The Python wrapper
==================

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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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"""
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"""

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    * R. H. Byrd, P. Lu and J. Nocedal. A Limited Memory Algorithm for Bound
      Constrained Optimization, (1995), SIAM Journal on Scientific and
      Statistical Computing, 16, 5, pp. 1190-1208.
    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
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Example usage
=============

An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.

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Files: scipy/.dylibs/libquadmath*.so
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    Written by Francois-Xavier Coudert <fxcoudert@gcc.gnu.org>

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    scipy needs "numpy"
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---

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--------------------------------------------------------------------------------
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Files: numpy/_core/src/multiarray/dragon4.c
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/*
 * This file contains a modified version of Ryan Juckett's Dragon4
 * implementation, obtained from https://www.ryanjuckett.com,
 * which has been ported from C++ to C and which has
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 *
 * Ryan Juckett's original code was under the Zlib license; he gave numpy
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 */


--------------------------------------------------------------------------------
Name: libdivide
Files: numpy/_core/include/numpy/libdivide/*
License: Zlib
    zlib License
  ------------

  Copyright (C) 2010 - 2019 ridiculous_fish, <libdivide@ridiculousfish.com>
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```

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License: Apache 2.0

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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The rk_random and rk_seed functions algorithms and the original design of the Mersenne Twister RNG:

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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---

sentence-transformers 3.0.0 has dependencies on following libraries:

sentence-transformers needs "huggingface-hub"
"huggingface-hub" needs "filelock"
"filelock" doesn't have any dependencies
"huggingface-hub" needs "fsspec"
"fsspec" doesn't have any dependencies
"huggingface-hub" needs "packaging"
"packaging" doesn't have any dependencies
"huggingface-hub" needs "PyYAML"
"PyYAML" doesn't have any dependencies

```
    "huggingface-hub" needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    "huggingface-hub" needs "tqdm"
        "tqdm" doesn't have any dependencies
    "huggingface-hub" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
sentence-transformers needs "numpy"
    "numpy" has bundled licenses that are included below
sentence-transformers needs "pillow"
    "pillow" doesn't have any dependencies
sentence-transformers needs "scikit-learn"
    "scikit-learn" needs "joblib"
        "joblib" doesn't have any dependencies
    "scikit-learn" needs "numpy"
        "numpy" has bundled licenses that are included below
    "scikit-learn" needs "scipy"
        "scipy" needs "numpy"
            "numpy" has bundled licenses that are included below
            "scipy" has bundled licenses that are included below
    "scikit-learn" needs "threadpoolctl"
        "threadpoolctl" doesn't have any dependencies
sentence-transformers needs "scipy"
    "scipy" needs "numpy"
        "numpy" has bundled licenses that are included below
        "scipy" has bundled licenses that are included below
sentence-transformers needs "torch"
    "torch" needs "filelock"
        "filelock" doesn't have any dependencies
    "torch" needs "fsspec"
        "fsspec" doesn't have any dependencies
    "torch" needs "Jinja2"
        "Jinja2" needs "MarkupSafe"
            "MarkupSafe" doesn't have any dependencies
    "torch" needs "networkx"
        "networkx" doesn't have any dependencies
    "torch" needs "sympy"
        "sympy" needs "mpmath"
            "mpmath" doesn't have any dependencies
    "torch" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
sentence-transformers needs "tqdm"
    "tqdm" doesn't have any dependencies
sentence-transformers needs "transformers"
    "transformers" needs "filelock"
        "filelock" doesn't have any dependencies
    "transformers" needs "huggingface-hub"
        "huggingface-hub" needs "filelock"
            "filelock" doesn't have any dependencies
        "huggingface-hub" needs "fsspec"
            "fsspec" doesn't have any dependencies
        "huggingface-hub" needs "packaging"
```

```
        "packaging" doesn't have any dependencies
    "huggingface-hub" needs "PyYAML"
        "PyYAML" doesn't have any dependencies
    "huggingface-hub" needs "requests"
        "requests" needs "certifi"
            "certifi" doesn't have any dependencies
        "requests" needs "charset-normalizer"
            "charset-normalizer" doesn't have any dependencies
        "requests" needs "idna"
            "idna" doesn't have any dependencies
        "requests" needs "urllib3"
            "urllib3" doesn't have any dependencies
    "huggingface-hub" needs "tqdm"
        "tqdm" doesn't have any dependencies
    "huggingface-hub" needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
"transformers" needs "numpy"
    "numpy" has bundled licenses that are included below
"transformers" needs "packaging"
    "packaging" doesn't have any dependencies
"transformers" needs "PyYAML"
    "PyYAML" doesn't have any dependencies
"transformers" needs "regex"
    "regex" doesn't have any dependencies
"transformers" needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
"transformers" needs "safetensors"
    "safetensors" doesn't have any dependencies
"transformers" needs "tokenizers"
    "tokenizers" needs "huggingface-hub"
        "huggingface-hub" needs "filelock"
            "filelock" doesn't have any dependencies
        "huggingface-hub" needs "fsspec"
            "fsspec" doesn't have any dependencies
        "huggingface-hub" needs "packaging"
            "packaging" doesn't have any dependencies
        "huggingface-hub" needs "PyYAML"
            "PyYAML" doesn't have any dependencies
        "huggingface-hub" needs "requests"
            "requests" needs "certifi"
                "certifi" doesn't have any dependencies
            "requests" needs "charset-normalizer"
                "charset-normalizer" doesn't have any dependencies
            "requests" needs "idna"
                "idna" doesn't have any dependencies
            "requests" needs "urllib3"
                "urllib3" doesn't have any dependencies
        "huggingface-hub" needs "tqdm"
            "tqdm" doesn't have any dependencies
        "huggingface-hub" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
```

```
       "transformers" needs "tqdm"
           "tqdm" doesn't have any dependencies
```

```
package_name: huggingface-hub
license_type: Apache Software License
license_text: Copyright 2019-present, the HuggingFace Inc. team.

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---

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license_type: BSD License
license_text:
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---
package_name: PyYAML
license_type: MIT License
license_text:
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---
package_name: requests
license_type: Apache Software License
license_text: copyright: (c) 2012 by Kenneth Reitz.

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This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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setuptools-rust 1.9.0

Nikolay Kim

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shap 0.46.0

Scott Lundberg

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```

```
___
 shap 0.46.0 has dependencies on following libraries:
    shap needs "cloudpickle"
        "cloudpickle" doesn't have any dependencies
    shap needs "numba"
        "numba" needs "llvmlite"
            "llvmlite" doesn't have any dependencies
        "numba" needs "numpy"
            "numpy" doesn't have any dependencies
    shap needs "numpy"
        "numpy" doesn't have any dependencies
    shap needs "packaging"
        "packaging" doesn't have any dependencies
    shap needs "pandas"
        "pandas" needs "numpy"
            "numpy" doesn't have any dependencies
        "pandas" needs "python-dateutil"
            "python-dateutil" needs "six"
                "six" doesn't have any dependencies
        "pandas" needs "pytz"
            "pytz" doesn't have any dependencies
        "pandas" needs "tzdata"
            "tzdata" doesn't have any dependencies
    shap needs "scikit-learn"
        "scikit-learn" needs "joblib"
            "joblib" doesn't have any dependencies
        "scikit-learn" needs "numpy"
            "numpy" doesn't have any dependencies
        "scikit-learn" needs "scipy"
            "scipy" needs "numpy"
                "numpy" doesn't have any dependencies
        "scikit-learn" needs "threadpoolctl"
            "threadpoolctl" doesn't have any dependencies
    shap needs "scipy"
        "scipy" needs "numpy"
            "numpy" doesn't have any dependencies
    shap needs "slicer"
        "slicer" doesn't have any dependencies
    shap needs "tqdm"
        "tqdm" doesn't have any dependencies
```

```
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  From the website for the L-BFGS-B code (from at
http://www.ece.northwestern.edu/~nocedal/lbfgsb.html):
"""
L-BFGS-B is a limited-memory quasi-Newton code for bound-constrained
optimization, i.e. for problems where the only constraints are of the
form l<= x <= u.
"""
This is a Python wrapper (using F2PY) written by David M. Cooke
<cookedm@physics.mcmaster.ca> and released as version 0.9 on April 9, 2004.
The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
in March 2012.
License of L-BFGS-B (Fortran code)
==================================
```

```
The version included here (in lbfgsb.f) is 3.0 (released April 25, 2011). It was
written by Ciyou Zhu, Richard Byrd, and Jorge Nocedal <nocedal@ece.nwu.edu>. It
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (1997),
      ACM Transactions on Mathematical Software, 23, 4, pp. 550 - 560.
    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
      FORTRAN routines for large scale bound constrained optimization (2011),
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  """
The Python wrapper
==================
This code uses F2PY (http://cens.ioc.ee/projects/f2py2e/) to generate
the wrapper around the Fortran code.
The Python code and wrapper are copyrighted 2004 by David M. Cooke
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Example usage
=============
An example of the usage is given at the bottom of the lbfgsb.py file.
Run it with 'python lbfgsb.py'.
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 *
```

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC.  Guido remains Python's
principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.
In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team.  In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation.  In 2001, the Python Software Foundation (PSF, see
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All Python releases are Open Source (see https://opensource.org for
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    Release         Derived     Year        Owner       GPL-
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    0.9.0 thru 1.2              1991-1995   CWI         yes
    1.3 thru 1.5.2  1.2         1995-1999   CNRI        yes
    1.6             1.5.2       2000        CNRI        no
    2.0             1.6         2000        BeOpen.com  no
    1.6.1           1.6         2001        CNRI        yes (2)
    2.1             2.0+1.6.1   2001        PSF         no
    2.0.1           2.0+1.6.1   2001        PSF         yes
    2.1.1           2.1+2.0.1   2001        PSF         yes
    2.1.2           2.1.1       2002        PSF         yes
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Thanks to the many outside volunteers who have worked under Guido's
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showdown 2.1.0

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slf4j-api 2.0.16

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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spring-boot-starter-actuator 3.3.3

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spring-boot-starter-aop 3.3.3

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spring-boot-starter-data-jpa 3.3.3

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Other developers who have contributed code are:

* Brian Langel

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maven-compat (3.5.2)

* License: Apache-2.0
* Project: https://maven.apache.org/ref/3.5.2/maven-compat/
* Source:
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maven-core (3.5.2)

* License: Apache-2.0
* Project: https://maven.apache.org/ref/3.5.2/maven-core/index.html
* Source: https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2

maven-plugin-annotations (3.5)

* License: Apache-2.0
* Project: https://maven.apache.org/plugin-tools/maven-plugin-annotations/
* Source:
   https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations

maven-plugin-api (3.5.2)

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maven-settings (3.5.2)

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OSGi Service Platform Core Companion Code (6.0)

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plexus-archiver (3.5)

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plexus-io (3.0.0)

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Sax (0.2)

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testng (6.14.2)

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xz for java (1.8)
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 ./lgpl.txt

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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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FastDoubleParser

This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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For portions of the Tomcat JNI OpenSSL API and the OpenSSL JSSE integration
The org.apache.tomcat.jni and the org.apache.tomcat.net.openssl packages
are derivative work originating from the Netty project and the finagle-native
project developed at Twitter
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For portions of the Tomcat cloud support
The org.apache.catalina.tribes.membership.cloud package contains derivative
work originating from the jgroups project.
https://github.com/jgroups-extras/jgroups-kubernetes
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The original XML Schemas for Java EE Deployment Descriptors:
 - javaee_5.xsd
 - javaee_web_services_1_2.xsd
 - javaee_web_services_client_1_2.xsd
 - javaee_6.xsd
 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
 - javaee_web_services_client_1_4.xsd
 - jsp_2_3.xsd
 - web-app_3_1.xsd
 - web-common_3_1.xsd
 - web-fragment_3_1.xsd
 - javaee_8.xsd
 - web-app_4_0.xsd
 - web-common_4_0.xsd
 - web-fragment_4_0.xsd

may be obtained from:
http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html

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spring-boot-starter-json 3.3.3

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spring-boot-starter-logging 3.3.3

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```
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beanvalidation-spec)
     * [The API repository](https://github.com/eclipse-ee4j/beanvalidation-api)
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Java ClassMate library was originally written by Tatu Saloranta
(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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    JDT Core Batch Compiler component, which is open source software.
    The original software and related information is available at
    https://www.eclipse.org/jdt/core/.

    org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar
    for JSON written by Robert Fischer.
    https://github.com/RobertFischer/json-parser

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```
    The original XML Schemas for Java EE Deployment Descriptors:
    - javaee_5.xsd
    - javaee_web_services_1_2.xsd
    - javaee_web_services_client_1_2.xsd
    - javaee_6.xsd
    - javaee_web_services_1_3.xsd
    - javaee_web_services_client_1_3.xsd
    - jsp_2_2.xsd
    - web-app_3_0.xsd
    - web-common_3_0.xsd
    - web-fragment_3_0.xsd
    - javaee_7.xsd
    - javaee_web_services_1_4.xsd
    - javaee_web_services_client_1_4.xsd
    - jsp_2_3.xsd
    - web-app_3_1.xsd
    - web-common_3_1.xsd
    - web-fragment_3_1.xsd
    - javaee_8.xsd
    - web-app_4_0.xsd
    - web-common_4_0.xsd
    - web-fragment_4_0.xsd

    may be obtained from:
    http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html


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    org.apache.logging.log4j    log4j-to-slf4j

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   Dumbster SMTP test server
   Copyright 2004 Jason Paul Kitchen

   TypeUtil.java
   Copyright 2002-2012 Ramnivas Laddad, Juergen Hoeller, Chris Beams

   picocli (http://picocli.info)
   Copyright 2017 Remko Popma

   TimeoutBlockingWaitStrategy.java and parts of Util.java
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    ch.qos.logback    logback-core

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Source Code

The project maintains the following source code repositories:

 * https://github.com/eclipse-ee4j/common-annotations-api

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This is a Java port of Daniel Lemire's fast_float project.
This project provides parsers for double, float, BigDecimal and BigInteger values.

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com.fasterxml.jackson.datatype:jackson-datatype-jsr310
com.fasterxml.jackson.module:jackson-module-parameter-names

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    org.apache.tomcat.embed    tomcat-embed-websocket
    org.apache.tomcat.embed    tomcat-embed-el

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grammar
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         - javaee_web_services_client_1_3.xsd
         - jsp_2_2.xsd
         - web-app_3_0.xsd
         - web-common_3_0.xsd
         - web-fragment_3_0.xsd
         - javaee_7.xsd
         - javaee_web_services_1_4.xsd
         - javaee_web_services_client_1_4.xsd
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         - web-common_3_1.xsd
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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 - javaee_web_services_1_3.xsd
 - javaee_web_services_client_1_3.xsd
 - jsp_2_2.xsd
 - web-app_3_0.xsd
 - web-common_3_0.xsd
 - web-fragment_3_0.xsd
 - javaee_7.xsd
 - javaee_web_services_1_4.xsd
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 - jsp_2_3.xsd
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org.latencyutils:LatencyUtils

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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software

Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
    because its license has a choice of law clause. According to
    CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
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The wrapper was slightly modified by Joonas Paalasmaa for the 3.0 version
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    * C. Zhu, R. H. Byrd and J. Nocedal. L-BFGS-B: Algorithm 778: L-BFGS-B,
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    * J.L. Morales and J. Nocedal. L-BFGS-B: Remark on Algorithm 778: L-BFGS-B,
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Name: Qhull

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C.B. Barber
Arlington, MA

and

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Name: Biasedurn

---------- Forwarded message ---------
From: Agner Fog <agner@agner.org>
Date: Wed, Jul 22, 2020 at 8:54 PM
Subject: Re: Add BiasedUrn to SciPy?
To: Matt Haberland <mhaberla@calpoly.edu>
Cc: Warren Weckesser <warren.weckesser@gmail.com>

Dear Matt The C++ code for these distributions without binding to the R project
are available here:
https://www.agner.org/random/stocc.zip
You have my permission to use it in SciPy under the new BSD license.
Best regards,
Agner Fog

On 22/07/2020 17.05, Matt Haberland wrote:
Hi Agner, I'm a maintainer of the Python scientific computing library SciPy,
and I'm working on improving the capabilities of our statistics subpackage
scipy.stats. We'd like to add both Fisher's and Wallenius' noncentral
hypergeometric distributions, but these look quite challenging to implement.
We found your BiasedUrn package, and we'd love to wrap it, but we can't
include GPL-3 licensed code under our BSD-new license. Would you consider
re-licensing BiasedUrn under a more permissive license, such as BSD-new or
MIT, so we can include it in SciPy?
Thank you for considering it!
Matt
--
Matt Haberland
Assistant Professor
BioResource and Agricultural Engineering
08A-3K, Cal Poly

Name: UNU.RAN

Permission was granted on 23 March 2021 by Josef Leydold

(josef.leydold@wu.ac.at) and Wolfgang Hoermann (hormannw@bound.edu.tr)
to use the UNU.RAN code excluding the uniform random number generator in src/
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library:

    unuran-1.8.1/COPYING
    unuran-1.8.1/INSTALL
    unuran-1.8.1/Makefile.am
    unuran-1.8.1/Makefile.in
    unuran-1.8.1/NEWS
    unuran-1.8.1/UPGRADE
    unuran-1.8.1/acinclude.m4
    unuran-1.8.1/aclocal.m4
    unuran-1.8.1/autoconf/config.guess
    unuran-1.8.1/autoconf/config.sub
    unuran-1.8.1/autoconf/depcomp
    unuran-1.8.1/autoconf/install-sh
    unuran-1.8.1/autoconf/ltmain.sh
    unuran-1.8.1/autoconf/mdate-sh
    unuran-1.8.1/autoconf/missing
    unuran-1.8.1/autogen.sh
    unuran-1.8.1/configure
    unuran-1.8.1/doc/Makefile.am
    unuran-1.8.1/doc/Makefile.in
    unuran-1.8.1/doc/figures/Makefile.am
    unuran-1.8.1/doc/figures/Makefile.in
    unuran-1.8.1/doc/figures/discrete_inversion.eps
    unuran-1.8.1/doc/figures/discrete_inversion.pdf
    unuran-1.8.1/doc/figures/discrete_inversion.png
    unuran-1.8.1/doc/figures/discrete_inversion.txt
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    unuran-1.8.1/doc/figures/inversion.txt
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    unuran-1.8.1/doc/src/README
    unuran-1.8.1/doc/src/arvag.dh
    unuran-1.8.1/doc/src/error_debug.dh
    unuran-1.8.1/doc/src/examples.dh
    unuran-1.8.1/doc/src/glossary.dh
    unuran-1.8.1/doc/src/index.dh
    unuran-1.8.1/doc/src/installation.dh
    unuran-1.8.1/doc/src/intro.dh
    unuran-1.8.1/doc/src/make_texi.pl
    unuran-1.8.1/doc/src/methods.dh
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unuran-1.8.1/doc/version_win32.texi
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unuran-1.8.1/examples/example0_str.c
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unuran-1.8.1/examples/example2.c
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unuran-1.8.1/tests/t_empk.conf
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unuran-1.8.1/tests/t_empl.conf
unuran-1.8.1/tests/t_gibbs.c
unuran-1.8.1/tests/t_gibbs.conf
unuran-1.8.1/tests/t_hinv.c
unuran-1.8.1/tests/t_hinv.conf
unuran-1.8.1/tests/t_hist.c
unuran-1.8.1/tests/t_hist.conf
unuran-1.8.1/tests/t_hitro.c
unuran-1.8.1/tests/t_hrb.c
unuran-1.8.1/tests/t_hrb.conf
unuran-1.8.1/tests/t_hrd.c
unuran-1.8.1/tests/t_hrd.conf
unuran-1.8.1/tests/t_hri.c
unuran-1.8.1/tests/t_hri.conf
unuran-1.8.1/tests/t_info.c
unuran-1.8.1/tests/t_info.conf
unuran-1.8.1/tests/t_itdr.c
unuran-1.8.1/tests/t_itdr.conf
unuran-1.8.1/tests/t_mcorr.c
unuran-1.8.1/tests/t_mcorr.conf
unuran-1.8.1/tests/t_mixt.c
unuran-1.8.1/tests/t_mvstd.c
unuran-1.8.1/tests/t_mvstd.conf
unuran-1.8.1/tests/t_mvtdr.c
unuran-1.8.1/tests/t_ninv.c
unuran-1.8.1/tests/t_ninv.conf
unuran-1.8.1/tests/t_norta.c
unuran-1.8.1/tests/t_norta.conf
unuran-1.8.1/tests/t_nrou.c
unuran-1.8.1/tests/t_nrou.conf
unuran-1.8.1/tests/t_pinv
unuran-1.8.1/tests/t_pinv.c
```

```
unuran-1.8.1/tests/t_srou.c
unuran-1.8.1/tests/t_srou.conf
unuran-1.8.1/tests/t_ssr.c
unuran-1.8.1/tests/t_ssr.conf
unuran-1.8.1/tests/t_stringparser.c
unuran-1.8.1/tests/t_stringparser.conf
unuran-1.8.1/tests/t_tabl.c
unuran-1.8.1/tests/t_tabl.conf
unuran-1.8.1/tests/t_tdr.c
unuran-1.8.1/tests/t_tdr.conf
unuran-1.8.1/tests/t_tdr_gw.c
unuran-1.8.1/tests/t_tdr_gw.conf
unuran-1.8.1/tests/t_tdr_ia.c
unuran-1.8.1/tests/t_tdr_ia.conf
unuran-1.8.1/tests/t_tdr_ps.c
unuran-1.8.1/tests/t_tdr_ps.conf
unuran-1.8.1/tests/t_unif.c
unuran-1.8.1/tests/t_unif.conf
unuran-1.8.1/tests/t_unur_error.c
unuran-1.8.1/tests/t_unur_error.conf
unuran-1.8.1/tests/t_unur_tests.c
unuran-1.8.1/tests/t_unur_tests.conf
unuran-1.8.1/tests/t_urng.c
unuran-1.8.1/tests/t_urng.conf
unuran-1.8.1/tests/t_utdr.c
unuran-1.8.1/tests/t_utdr.conf
unuran-1.8.1/tests/t_util_matrix.c
unuran-1.8.1/tests/t_util_matrix.conf
unuran-1.8.1/tests/t_vempk.c
unuran-1.8.1/tests/t_vempk.conf
unuran-1.8.1/tests/t_vnrou.c
unuran-1.8.1/tests/t_vnrou.conf
unuran-1.8.1/tests/t_x_gen.c
unuran-1.8.1/tests/t_x_gen.conf
unuran-1.8.1/tests/test_StdDistr.c
unuran-1.8.1/tests/test_StdDistr.m
unuran-1.8.1/tests/test_functionparser.c
unuran-1.8.1/tests/test_functionparser.m
unuran-1.8.1/tests/testcounter.c
unuran-1.8.1/tests/testdistributions/Makefile.am
unuran-1.8.1/tests/testdistributions/Makefile.in
unuran-1.8.1/tests/testdistributions/c_sawtooth_contpdf.c
unuran-1.8.1/tests/testdistributions/c_sawtooth_discpdf.c
unuran-1.8.1/tests/testdistributions/c_w_pdf_from_logpdf.c
unuran-1.8.1/tests/testdistributions/c_with_multiple_of_pdf.c
unuran-1.8.1/tests/testdistributions/c_wo_logpdf.c
unuran-1.8.1/tests/testdistributions/testdistributions.h
unuran-1.8.1/tests/testdistributions/vc_cauchy_RoU_ball.c
unuran-1.8.1/tests/testdistributions/vc_special_correlations_ar1.c
unuran-1.8.1/tests/testdistributions/vc_special_correlations_constantrho.c
unuran-1.8.1/tests/testdistributions/vc_w_marginals.c
unuran-1.8.1/tests/testdistributions/vc_wo_logpdf.c
unuran-1.8.1/tests/testroutines.c
unuran-1.8.1/tests/testunuran.h
unuran-1.8.1/src/distr/deprecated_distr.c
unuran-1.8.1/src/distr/deprecated_distr.h
unuran-1.8.1/src/methods/deprecated_methods.c
unuran-1.8.1/src/methods/deprecated_methods.h
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    unuran-1.8.1/src/methods/deprecated_tdrgw.h
    unuran-1.8.1/src/methods/deprecated_vmt.c
    unuran-1.8.1/src/methods/deprecated_vmt.h
    unuran-1.8.1/src/methods/deprecated_vmt_struct.h
    unuran-1.8.1/src/parser/stringparser_lists.ch.in

UNU.RAN relies on a modified version of the library Cephes, see ./src/src/
specfunct/cephes_source.h

Details from /src/src/specfunct/cephes_source.h
================================================
   This file was considerably changed for UNU.RAN.
   As a consequence it has been renamed from "mconf.h" to
   "cephes_source.h" to avoid confusion.

   We were only interested in the files:
      gamma.c
      igamma.c
      incbet.c
      ndtr.c
      ndtri.c
   to use these files we needed the auxiliary files:
      isnan.c
      mtherr.c
      polevl.c
   The aim was to enhance portability for ANSI C without expert
   knowledge of the floating point unit.
   The main changes are
      numeric constants (in cephes - const.c) are replaced
      by macros defined in this file (source_mconf.h).
      We changed these constants using the constants provided by
      ANSI C in the math.h file.
      We changed also the definitions of MAXGAM (in incbet.c) and of
      MAXSTIR (in gamma.c).
      Everything concerning NANS and INFINITY was moved into isnan.c.
      (Also the defines to turn it off or on.)
      We have only tested this version with NAN and INFINITY turned
      off, but we have not changed anything concerning that
      question. So turning this support on should (could) work.
   March 26th, 2001, Josef Leydold and Wolfgang Hoermann.

/*-------------------------------------------------------------------------*/

/*              mconf.h
 *
 *  Common include file for math routines
 *
 *
 *
 * SYNOPSIS:
 *
 * #include "mconf.h"
 *
 *
 *
 * DESCRIPTION:
 *
 * This file contains definitions for error codes that are
```

```
 * passed to the common error handling routine mtherr()
 * (which see).
 *
 * The file also includes a conditional assembly definition
 * for the type of computer arithmetic (IEEE, DEC, Motorola
 * IEEE, or UNKnown).
 *
 * For Digital Equipment PDP-11 and VAX computers, certain
 * IBM systems, and others that use numbers with a 56-bit
 * significand, the symbol DEC should be defined.  In this
 * mode, most floating point constants are given as arrays
 * of octal integers to eliminate decimal to binary conversion
 * errors that might be introduced by the compiler.
 *
 * For little-endian computers, such as IBM PC, that follow the
 * IEEE Standard for Binary Floating Point Arithmetic (ANSI/IEEE
 * Std 754-1985), the symbol IBMPC should be defined.  These
 * numbers have 53-bit significands.  In this mode, constants
 * are provided as arrays of hexadecimal 16 bit integers.
 *
 * Big-endian IEEE format is denoted MIEEE.  On some RISC
 * systems such as Sun SPARC, double precision constants
 * must be stored on 8-byte address boundaries.  Since integer
 * arrays may be aligned differently, the MIEEE configuration
 * may fail on such machines.
 *
 * To accommodate other types of computer arithmetic, all
 * constants are also provided in a normal decimal radix
 * which one can hope are correctly converted to a suitable
 * format by the available C language compiler.  To invoke
 * this mode, define the symbol UNK.
 *
 * An important difference among these modes is a predefined
 * set of machine arithmetic constants for each.  The numbers
 * MACHEP (the machine roundoff error), MAXNUM (largest number
 * represented), and several other parameters are preset by
 * the configuration symbol.  Check the file const.c to
 * ensure that these values are correct for your computer.
 *
 * Configurations NANS, INFINITIES, MINUSZERO, and DENORMAL
 * may fail on many systems.  Verify that they are supposed
 * to work on your computer.
 */

Cephes Math Library Release 2.3:  June, 1995
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(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/
certdata.txt?raw=1#
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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--------------------------------------------------------------------------------
tensorflow-hub 0.16.1 has dependencies on following libraries:

   tensorflow-hub needs "numpy"
       "numpy" has bundled licenses that are included below
   tensorflow-hub needs "protobuf"
       "protobuf" doesn't have any dependencies
   tensorflow-hub needs "tf_keras"
       "tf_keras" needs "tensorflow"
           "tensorflow" needs "absl-py"
               "absl-py" doesn't have any dependencies
           "tensorflow" needs "astunparse"
               "astunparse" needs "six"
                   "six" doesn't have any dependencies
               "astunparse" needs "wheel"
                   "wheel" doesn't have any dependencies
           "tensorflow" needs "flatbuffers"
               "flatbuffers" doesn't have any dependencies
           "tensorflow" needs "gast"
               "gast" doesn't have any dependencies
           "tensorflow" needs "google-pasta"
               "google-pasta" needs "six"
                   "six" doesn't have any dependencies
           "tensorflow" needs "grpcio"
               "grpcio" doesn't have any dependencies
           "tensorflow" needs "h5py"
               "h5py" needs "numpy"
                   "numpy" has bundled licenses that are included below
           "tensorflow" needs "keras"
               "keras" needs "absl-py"
                   "absl-py" doesn't have any dependencies
               "keras" needs "h5py"
                   "h5py" needs "numpy"
                       "numpy" has bundled licenses that are included below
               "keras" needs "ml-dtypes"
                   "ml-dtypes" needs "numpy"
                       "numpy" has bundled licenses that are included below
               "keras" needs "namex"
                   "namex" doesn't have any dependencies
               "keras" needs "numpy"
                   "numpy" has bundled licenses that are included below
               "keras" needs "optree"
                   "optree" needs "typing_extensions"
                       "typing_extensions" doesn't have any dependencies
               "keras" needs "packaging"
                   "packaging" doesn't have any dependencies
               "keras" needs "rich"
                   "rich" needs "markdown-it-py"
                       "markdown-it-py" needs "mdurl"
                           "mdurl" doesn't have any dependencies
                   "rich" needs "Pygments"
                       "Pygments" doesn't have any dependencies
           "tensorflow" needs "libclang"
               "libclang" doesn't have any dependencies
           "tensorflow" needs "ml-dtypes"
```

```
    "ml-dtypes" needs "numpy"
        "numpy" has bundled licenses that are included below
"tensorflow" needs "numpy"
    "numpy" has bundled licenses that are included below
"tensorflow" needs "opt-einsum"
    "opt-einsum" needs "numpy"
        "numpy" has bundled licenses that are included below
"tensorflow" needs "packaging"
    "packaging" doesn't have any dependencies
"tensorflow" needs "protobuf"
    "protobuf" doesn't have any dependencies
"tensorflow" needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
"tensorflow" needs "setuptools"
    "setuptools" doesn't have any dependencies
"tensorflow" needs "six"
    "six" doesn't have any dependencies
"tensorflow" needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "grpcio"
        "grpcio" doesn't have any dependencies
    "tensorboard" needs "Markdown"
        "Markdown" doesn't have any dependencies
    "tensorboard" needs "numpy"
        "numpy" has bundled licenses that are included below
    "tensorboard" needs "protobuf"
        "protobuf" doesn't have any dependencies
    "tensorboard" needs "setuptools"
        "setuptools" doesn't have any dependencies
    "tensorboard" needs "six"
        "six" doesn't have any dependencies
    "tensorboard" needs "tensorboard-data-server"
        "tensorboard-data-server" doesn't have any dependencies
    "tensorboard" needs "Werkzeug"
        "Werkzeug" needs "MarkupSafe"
            "MarkupSafe" doesn't have any dependencies
"tensorflow" needs "tensorflow-io-gcs-filesystem"
    "tensorflow-io-gcs-filesystem" doesn't have any dependencies
"tensorflow" needs "termcolor"
    "termcolor" doesn't have any dependencies
"tensorflow" needs "typing_extensions"
    "typing_extensions" doesn't have any dependencies
"tensorflow" needs "wrapt"
    "wrapt" doesn't have any dependencies
```

```
package_name: numpy
license_type: BSD License
license_text:
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Files: numpy/core/src/multiarray/dragon4.c
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
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---

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license_type: Apache Software License
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tensorflow-python 2.16.2

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--------------------------------------------------------------------------------
---
 tensorflow has dependencies on following libraries:

    tensorflow needs "absl-py"
        "absl-py" doesn't have any dependencies
    tensorflow needs "astunparse"
        "astunparse" needs "six"
            "six" doesn't have any dependencies
        "astunparse" needs "wheel"
            "wheel" doesn't have any dependencies
    tensorflow needs "flatbuffers"
        "flatbuffers" doesn't have any dependencies
    tensorflow needs "gast"
        "gast" doesn't have any dependencies
    tensorflow needs "google-pasta"
        "google-pasta" needs "six"
            "six" doesn't have any dependencies
    tensorflow needs "grpcio"
        "grpcio" doesn't have any dependencies
    tensorflow needs "h5py"
        "h5py" needs "numpy"
            "numpy" doesn't have any dependencies
    tensorflow needs "keras"
        "keras" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "keras" needs "h5py"
            "h5py" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "ml-dtypes"
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
            "ml-dtypes" needs "numpy"
                "numpy" doesn't have any dependencies
        "keras" needs "namex"
            "namex" doesn't have any dependencies
        "keras" needs "numpy"
            "numpy" doesn't have any dependencies
        "keras" needs "optree"
            "optree" needs "typing_extensions"
                "typing_extensions" doesn't have any dependencies
        "keras" needs "packaging"
            "packaging" doesn't have any dependencies
        "keras" needs "rich"
            "rich" needs "markdown-it-py"
                "markdown-it-py" needs "mdurl"
```

```
                "mdurl" doesn't have any dependencies
        "rich" needs "Pygments"
            "Pygments" doesn't have any dependencies
tensorflow needs "libclang"
    "libclang" doesn't have any dependencies
tensorflow needs "ml-dtypes"
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
tensorflow needs "numpy"
    "numpy" doesn't have any dependencies
tensorflow needs "opt_einsum"
    "opt_einsum" doesn't have any dependencies
tensorflow needs "packaging"
    "packaging" doesn't have any dependencies
tensorflow needs "protobuf"
    "protobuf" doesn't have any dependencies
tensorflow needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
tensorflow needs "setuptools"
    "setuptools" doesn't have any dependencies
tensorflow needs "six"
    "six" doesn't have any dependencies
tensorflow needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "grpcio"
        "grpcio" doesn't have any dependencies
    "tensorboard" needs "Markdown"
        "Markdown" doesn't have any dependencies
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        "protobuf" doesn't have any dependencies
    "tensorboard" needs "setuptools"
        "setuptools" doesn't have any dependencies
    "tensorboard" needs "six"
        "six" doesn't have any dependencies
    "tensorboard" needs "tensorboard-data-server"
        "tensorboard-data-server" doesn't have any dependencies
    "tensorboard" needs "Werkzeug"
        "Werkzeug" needs "MarkupSafe"
            "MarkupSafe" doesn't have any dependencies
tensorflow needs "tensorflow-io-gcs-filesystem"
    "tensorflow-io-gcs-filesystem" doesn't have any dependencies
tensorflow needs "termcolor"
    "termcolor" doesn't have any dependencies
tensorflow needs "typing_extensions"
```

```
        "typing_extensions" doesn't have any dependencies
    tensorflow needs "wrapt"
        "wrapt" doesn't have any dependencies
```

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license_type: Apache Software License
license_text:
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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The rk_random and rk_seed functions algorithms and the original design of the
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Original algorithm for the implementation of rk_interval function from Richard
J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus
Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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Name: Julia

The ziggurat methods were derived from Julia.

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package_name: typing_extensions
license_type: Python Software Foundation License
license_text:
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
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Thanks to the many outside volunteers who have worked under Guido's
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---------------------------------------------------------------------------
---
 tensorflow has dependencies on following libraries:

    tensorflow needs "absl-py"
        "absl-py" doesn't have any dependencies
    tensorflow needs "astunparse"
        "astunparse" needs "six"
            "six" doesn't have any dependencies
        "astunparse" needs "wheel"
            "wheel" doesn't have any dependencies
    tensorflow needs "flatbuffers"
        "flatbuffers" doesn't have any dependencies
    tensorflow needs "gast"
        "gast" doesn't have any dependencies
    tensorflow needs "google-pasta"
        "google-pasta" needs "six"
            "six" doesn't have any dependencies
    tensorflow needs "grpcio"
        "grpcio" doesn't have any dependencies
    tensorflow needs "h5py"
        "h5py" needs "numpy"
            "numpy" doesn't have any dependencies
    tensorflow needs "keras"
        "keras" needs "absl-py"
            "absl-py" doesn't have any dependencies
        "keras" needs "h5py"
            "h5py" needs "numpy"
                "numpy" doesn't have any dependencies
```

```
    "keras" needs "ml-dtypes"
        "ml-dtypes" needs "numpy"
            "numpy" doesn't have any dependencies
    "keras" needs "namex"
        "namex" doesn't have any dependencies
    "keras" needs "numpy"
        "numpy" doesn't have any dependencies
    "keras" needs "optree"
        "optree" needs "typing_extensions"
            "typing_extensions" doesn't have any dependencies
    "keras" needs "packaging"
        "packaging" doesn't have any dependencies
    "keras" needs "rich"
        "rich" needs "markdown-it-py"
            "markdown-it-py" needs "mdurl"
                "mdurl" doesn't have any dependencies
        "rich" needs "Pygments"
            "Pygments" doesn't have any dependencies
tensorflow needs "libclang"
    "libclang" doesn't have any dependencies
tensorflow needs "ml-dtypes"
    "ml-dtypes" needs "numpy"
        "numpy" doesn't have any dependencies
tensorflow needs "numpy"
    "numpy" doesn't have any dependencies
tensorflow needs "opt_einsum"
    "opt_einsum" doesn't have any dependencies
tensorflow needs "packaging"
    "packaging" doesn't have any dependencies
tensorflow needs "protobuf"
    "protobuf" doesn't have any dependencies
tensorflow needs "requests"
    "requests" needs "certifi"
        "certifi" doesn't have any dependencies
    "requests" needs "charset-normalizer"
        "charset-normalizer" doesn't have any dependencies
    "requests" needs "idna"
        "idna" doesn't have any dependencies
    "requests" needs "urllib3"
        "urllib3" doesn't have any dependencies
tensorflow needs "setuptools"
    "setuptools" doesn't have any dependencies
tensorflow needs "six"
    "six" doesn't have any dependencies
tensorflow needs "tensorboard"
    "tensorboard" needs "absl-py"
        "absl-py" doesn't have any dependencies
    "tensorboard" needs "grpcio"
        "grpcio" doesn't have any dependencies
    "tensorboard" needs "Markdown"
        "Markdown" doesn't have any dependencies
    "tensorboard" needs "numpy"
        "numpy" doesn't have any dependencies
    "tensorboard" needs "protobuf"
        "protobuf" doesn't have any dependencies
    "tensorboard" needs "setuptools"
        "setuptools" doesn't have any dependencies
    "tensorboard" needs "six"
```

```
            "six" doesn't have any dependencies
        "tensorboard" needs "tensorboard-data-server"
            "tensorboard-data-server" doesn't have any dependencies
        "tensorboard" needs "Werkzeug"
            "Werkzeug" needs "MarkupSafe"
                "MarkupSafe" doesn't have any dependencies
    tensorflow needs "tensorflow-io-gcs-filesystem"
        "tensorflow-io-gcs-filesystem" doesn't have any dependencies
    tensorflow needs "termcolor"
        "termcolor" doesn't have any dependencies
    tensorflow needs "typing_extensions"
        "typing_extensions" doesn't have any dependencies
    tensorflow needs "wrapt"
        "wrapt" doesn't have any dependencies
```

```
package_name: absl-py
license_type: Apache Software License
license_text:
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Adapted from a C++ implementation of Chris Doty-Humphrey's SFC PRNG.

https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

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license_type: Python Software Foundation License
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==========

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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license_text:
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license_text:
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ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/
certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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package_name: charset-normalizer
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license_text:
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Tomcat 10.1.26

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Andrey Petrov

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wheel version 0.43.0

Daniel Holth

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