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scikit-learn 1.2.1

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Name: ampgo

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Name: pybind11

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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), ACM Transactions on Mathematical Software, 38, 1.

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The package is designed to compute a few eigenvalues and corresponding
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product $w \leftarrow Av$ requires order n rather than the usual order n^2 floating
point operations. This software is based upon an algorithmic variant of the
Arnoldi process called the Implicitly Restarted Arnoldi Method (IRAM). When
the matrix A is symmetric it reduces to a variant of the Lanczos process
called the Implicitly Restarted Lanczos Method (IRLM). These variants may be
viewed as a synthesis of the Arnoldi/Lanczos process with the Implicitly
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standard problems, a matrix factorization is not required. Only the action
of the matrix on a vector is needed. ARPACK software is capable of solving

large scale symmetric, nonsymmetric, and generalized eigenproblems from significant application areas. The software is designed to compute a few (k) eigenvalues with user specified features such as those of largest real part or largest magnitude. Storage requirements are on the order of $n \times k$ locations. No auxiliary storage is required. A set of Schur basis vectors for the desired k-dimensional eigen-space is computed which is numerically orthogonal to working precision. Numerically accurate eigenvectors are available on request.

Important Features:

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Name: PCG64

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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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David H. Munro wrote Yorick and Gist. Berkeley Yacc (byacc) generated the Yorick parser. The routines in Math are from LAPACK and FFTPACK; MathC contains C translations by David H. Munro. The algorithms for Yorick's random number generator and several special functions in Yorick/include were taken from Numerical Recipes by Press, et. al., although the Yorick implementations are unrelated to those in Numerical Recipes. A small amount of code in Gist was adapted from the X11R4 release, copyright M.I.T. -- the complete copyright notice may be found in the (unused) file Gist/host.c.

agg24-svn

The Anti-Grain Geometry Project
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```

+++++++

ttutil.cpp
-----
/*
 * Modified for use within matplotlib
 * 5 July 2007
 * Michael Droettboom
 */

/* Very simple interface to the ppr TT routines */
/* (c) Frank Siegert 1996 */

+++++++

pprdrv.h
-----
/*
 * Modified for use within matplotlib
 * 5 July 2007
 * Michael Droettboom
 */

/*
** ~ppr/src/include/pprdrv.h
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**
** This file last revised 5 December 1995.
*/

+++++++

pprdrv_tt.cpp
-----
/*
 * Modified for use within matplotlib
 * 5 July 2007
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 */

/*
** ~ppr/src/pprdrv/pprdrv_tt.c
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** implied warranty.
**
** TrueType font support.  These functions allow PPR to generate
** PostScript fonts from Microsoft compatible TrueType font files.
**
** Last revised 19 December 1995.
*/

+++++++

pprdrv_tt2.cpp
-----
/*
 * Modified for use within matplotlib
 * 5 July 2007
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 */

/*
** ~ppr/src/pprdrv/pprdrv_tt2.c
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**
** TrueType font support.  These functions allow PPR to generate
** PostScript fonts from Microsoft compatible TrueType font files.
**
** The functions in this file do most of the work to convert a
** TrueType font to a type 3 PostScript font.
**
** Most of the material in this file is derived from a program called
** "ttf2ps" which L. S. Ng posted to the usenet news group
** "comp.sources.postscript".  The author did not provide a copyright
** notice or indicate any restrictions on use.
**
** Last revised 11 July 1995.
*/

+++++++

truetype.h
-----
/*
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 */

/*
** ~ppr/src/include/typetype.h
**

```

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**
** This include file is shared by the source files
** "pprdrv/pprdrv_tt.c" and "pprdrv/pprdrv_tt2.c".
**
** Last modified 19 April 1995.
*/
+++++

```

_tkmini.h

```

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Files: .libs/libopenb*.so
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PCG Random Number Generation for C.

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

<https://gist.github.com/imneme/flf7821f07cf76504a97f6537c818083>

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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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python-oracledb 1.4.0

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pycparser -- A C parser in Python

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pyparser -- A C parser in Python

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numpy 1.26.0

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dragon4

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Written in 2015 by Sebastiano Vigna (vigna@acm.org)

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Name: SFC64

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

<https://gist.github.com/imneme/flf7821f07cf76504a97f6537c818083>

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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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The ziggurat methods were derived from Julia.

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Name: SFC64

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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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Constants used in the rk_double implementation by Isaku Wada.

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Name: ampgo

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Functions for testing global optimizers, forked from the AMPGO project,
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Name: pybind11

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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.

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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 <mhaberland@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/uniform/mrg31k3p.c (copyright by Renee Touzin) under the BSD licence. The following files have been removed from the original 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
- unuran-1.8.1/doc/figures/inversion.eps
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- unuran-1.8.1/doc/figures/inversion.txt
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- unuran-1.8.1/doc/figures/rejection_from_constant_hat.pdf
- unuran-1.8.1/doc/figures/rejection_from_constant_hat.png
- unuran-1.8.1/doc/figures/rejection_from_constant_hat.txt

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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
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unuran-1.8.1/doc/src/methods_cvemp.texi
unuran-1.8.1/doc/src/methods_discr.texi
unuran-1.8.1/doc/src/methods_matr.texi
unuran-1.8.1/doc/src/methods_mcmc.texi
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unuran-1.8.1/doc/src/top.dh
unuran-1.8.1/doc/src/unuran_src.texi
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unuran-1.8.1/doc/unuran.html
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unuran-1.8.1/doc/unuran.pdf
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unuran-1.8.1/examples/example_FuncStr.c
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unuran-1.8.1/scripts/win32/build.sh

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unuran-1.8.1/tests/test_StdDistr.m
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unuran-1.8.1/tests/test_functionparser.m
unuran-1.8.1/tests/testcounter.c

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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
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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
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unuran-1.8.1/src/methods/deprecated_methods.h
unuran-1.8.1/src/methods/deprecated_tdrwg.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 Cephес, 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 cephес - 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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protocolbuffers/protobuf

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madler/zlib

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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pybind/pybind11

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Google Test	llvm/utils/unittest/googletest

OpenBSD regex	llvm/lib/Support/{reg*, COPYRIGHT.regex}
pyyaml tests	llvm/test/YAMLParse/{*.data, LICENSE.TXT}
ARM contributions	llvm/lib/Target/ARM/LICENSE.TXT
md5 contributions	llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h

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G3log : Asynchronous logger with Dynamic Sinks

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mpi4py
<https://github.com/mpi4py/mpi4py/>

=====
LICENSE: MPI for Python
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huggingface/transformers

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MurmurHash3

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<https://github.com/aappleby/smhasher>

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gtest-ios-framework

<https://github.com/mestevens/gtest-ios-framework>

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curl/curl

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Intel neural-compressor

<https://github.com/intel/neural-compressor>

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dlib v19.22

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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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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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Transformers 4.38.1

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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#](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
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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typing-extensions
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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
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2.1.2	2.1.1	2002	PSF	yes
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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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ONNX 1.16.0

===== Package: onnx =====

Name: onnx

Source code URL: <https://github.com/onnx/onnx>

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===== Dependencies =====

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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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	<p> * 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), ACM Transactions on Mathematical Software, 38, 1. "" </p> <p> The Python wrapper ===== </p> <p> This code uses F2PY (http://cens.ioc.ee/projects/f2py2e/) to generate the wrapper around the Fortran code. </p> <p> The Python code and wrapper are copyrighted 2004 by David M. Cooke <cookedm@physics.mcmaster.ca>. </p> <p> Example usage ===== </p> <p> An example of the usage is given at the bottom of the lbfgsb.py file. Run it with 'python lbfgsb.py'. </p> <p> License for the Python wrapper ===== </p> <p> Copyright (c) 2004 David M. Cooke <cookedm@physics.mcmaster.ca> </p> <p> Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in </p>

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	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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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:
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file/tip/security/nss/lib/ckfw/
builtins/certdata.txt](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
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dlib v19.22

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onnxruntime 1.20.0

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protocolbuffers/protobuf

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madler/zlib

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nvidia/cutlass

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mpi4py
<https://github.com/mpi4py/mpi4py/>

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LICENSE: MPI for Python
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huggingface/transformers

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cerberus

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gtest-ios-framework

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Certificate data from Mozilla as of:
Thu Nov 3 19:04:19 2011#
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of public Certificate Authorities
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extracted from Mozilla's root
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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#](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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Just configure this file as the
SSLCACertificateFile.#

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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.

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Release Year	Owner	Derived GPL-compatible? (1)
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1991-1995	CWI	yes
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1995-1999	CNRI	yes
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2000	CNRI	no
2.0		1.6
2000	BeOpen.com	no
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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	
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created by Victoria Zhislina, the Senior Application Engineer, Intel Corporation,
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Adapted from a C++ implementation of

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<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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 Files: third_party/kineto/libkineto/
 third_party/dynolog/third_party/json/
 test/thirdparty/doctest,
 third_party/nlohmann/tests/
 thirdparty/doctest
 For details, see: third_party/kineto/
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    third_party/googletest,
    third_party/kineto/libkineto/
third_party/dynolog/third_party/
googletest,
    third_party/kineto/libkineto/
third_party/googletest,
    third_party/kineto/libkineto/
third_party/googletest/googletest,
    third_party/protobuf/third_party/
googletest,
    third_party/protobuf/third_party/
googletest/googletest,
    third_party/tensorpipe/
third_party/googletest,
    third_party/tensorpipe/
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gtest,
    third_party/ideep/mkl-dnn/
third_party/oneDNN/tests/gtests/gtest
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mkl-dnn/tests/gtest/LICENSE,
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hipify_torch
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Name: json
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Files: third_party/cudnn_frontend/

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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
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	

Footnotes:

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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 direction to make these releases possible.

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