

Oracle® Cloud

Using Oracle Analytics Cloud Synopsis



12c Release 1 (12.1)
E80147-02
October 2017



Oracle Cloud Using Oracle Analytics Cloud Synopsis, 12c Release 1 (12.1)

E80147-02

Copyright © 2017, Oracle and/or its affiliates. All rights reserved.

Primary Authors: Padma Rao, Oracle Business Intelligence Mobile development, product management, and quality assurance teams

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Audience	v
Documentation Accessibility	v
Related Documentation and Other Resources	v
Conventions	vi

1 Basics

What can I do with Oracle Analytics Cloud Synopsis?	1-1
What kind of data can I upload?	1-2
What is a number card?	1-2
Are there any performance limits in the app?	1-2
What are the file size considerations?	1-2

2 Synopsis for iOS

How do I load data to be analyzed?	2-1
How do I change the format of the loaded data?	2-1
How do I change the data type in the app?	2-2
How do I select specific data for analysis?	2-2
How do I rename a project?	2-2
How do I delete a project?	2-3
How do I change the initial visualization provided by the app?	2-3
How do I share the analysis?	2-3

3 Synopsis for Android

How do I load data from a spreadsheet?	3-1
How do I load data from a data set from Oracle Analytics Cloud?	3-2
How do I load data from the Google Fit app?	3-2
How do I load data from an image of a table?	3-2
How do I change the format of the loaded data?	3-3
How do I change the data type in the app?	3-3

How do I select specific data for analysis?	3-4
How do I add a new calculated numeric column in a data file?	3-4
How can I view insights about a chart?	3-5
How can I view insights about a project?	3-5
How do I merge charts in a project?	3-5
How do I merge multiple projects?	3-5
How do I rename a project?	3-6
How do I delete a project?	3-6
How do I back up the project data?	3-6
How do I restore the project data?	3-6
How do I change the initial visualization provided by the app?	3-7
How do I share the analysis?	3-7
How do I export the project?	3-7

4 Troubleshoot

What do I do if data is not loading?	4-1
Where can I learn more?	4-1

Preface

This guide contains information about using Oracle Analytics Cloud Synopsis for Android and iOS to create instant analytics from your spreadsheet data on mobile devices. It explains how to load, analyze, and share data on a mobile device, which provides actionable intelligence and helps you make critical and timely business decisions.

Audience

This guide is intended for anyone who needs to get meaningful analytics from spreadsheet data and use that data to make critical and timely business decisions with Oracle Analytics Cloud Synopsis.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documentation and Other Resources

See the Oracle Business Intelligence documentation library for a list of related Oracle Business Intelligence documents.

See also the following related documents:

- *Oracle Fusion Middleware Release Notes for Oracle Business Intelligence Mobile for Apple iOS and Google Android*
- Oracle Business Intelligence information in the Oracle Fusion Middleware release notes for your platform
- *User's Guide for Oracle Business Intelligence Enterprise Edition*

In addition, the Oracle Learning Library contains Oracle Business Intelligence-related online training resources.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Basics

- [What can I do with Oracle Analytics Cloud Synopsis?](#)
- [What kind of data can I upload?](#)
- [What is a number card?](#)
- [Are there any performance limits in the app?](#)
- [What are the file size considerations?](#)

What can I do with Oracle Analytics Cloud Synopsis?

Oracle Analytics Cloud Synopsis provides instant analytics on a mobile device. With this app, you can quickly and easily turn data into meaningful data visualizations, without any detailed knowledge of data exploration or data science.

With Oracle Analytics Cloud Synopsis, you can:

- Import spreadsheet data and receive instant data visualization.
- Change the initial visualization; for example, from a donut chart to a bar chart. Based on the complexity of the data, the app displays the data in an appropriate chart; however, you can easily change the chart format.
- Select specific data from your spreadsheet for the analysis.
- Change the format of the data; for example, you can change the preferred currency, opt to display the number data as percentage, and specify the decimal character and number separator.
- Transform data from a number value to text value; for example, you can change the month value to display as text rather than as a number.
- Share the analysis using the apps on your mobile device.
- Export the project to destinations of your choice.

Additionally, on Android devices, you can:

- Import data from Oracle Analytics Cloud data sets and your fitness data from the Google Fit app.
- Scan printed tables with the device camera, view real time chart visualization atop table data, create a project instantly, and spot trends in the printed data.
- Scan the nutrition label of your favorite foods to store and analyze the nutrition data.
- Expand the data set in a project by merging two projects; for example, add data across time periods or regions.
- View project and chart insights for a predictive analysis.
- Add a new column of calculated numbers in a data file; for example, create a new Profits column in the data file by subtracting Sales values from Cost values.

- Change the initial visualization; for example, from a donut chart to a word cloud chart in which the size of the word represents the size of a measure.
- Add multiple text elements such as month and year to charts; thereby use time specific controls to select date ranges and times when manipulating charts with a time dimension.
- Combine charts to create a chart.
- Back up and restore projects.

What kind of data can I upload?

You can import data as numbers (for example, gross price = 1000) and text values (for example, country = Canada).

What is a number card?

A number card displays the important number from the number values in your spreadsheet data; for example, the sum of sales price or manufacturing price.

Are there any performance limits in the app?

On both Android and iOS, the app is limited by the processor power, memory, and storage on the device. The app performs well on most modern devices (those manufactured in the year 2015 and later), but older devices or devices with limited storage may perform slower, have issues loading large files, or experience other issues that cannot be addressed.

What are the file size considerations?

The app supports XLSX, XLS, and CSV file types. Here are the recommended file sizes based on the number of rows:

File Type	Android	iOS
XLSX	250,000	25,000
XLS	250,000	25,000
CSV	250,000	250,000

Large files can take longer to load and are not recommended. Files that have more than 20,000 unique values in a single text column impact chart and project performance. The app (for Android and iOS) can load files while in the background, so files that take longer to load can process while you work on other tasks on the device.

2

Synopsis for iOS

Manage Data

- [How do I load data to be analyzed?](#)
- [How do I change the format of the loaded data?](#)
- [How do I change the data type in the app?](#)
- [How do I select specific data for analysis?](#)
- [How do I rename a project?](#)
- [How do I delete a project?](#)

Manage Visualizations

- [How do I change the initial visualization provided by the app?](#)

Share

- [How do I share the analysis?](#)

How do I load data to be analyzed?


1. Ensure that the data file (such as xls, xlsx, or csv) is available on your mobile device.
2. Open your data file (for example, a file saved in Dropbox), and select **Share**.
3. Tap **Open in** and select **Import with Synopsis**.

Note:

Based on the source app where your data file is stored (for example Dropbox, Box, or email), the options for opening the file in Oracle Analytics Cloud Synopsis might differ.

The app opens, loads the file as a project, and presents the initial analysis as a visualization that contains numbers and text values.

How do I change the format of the loaded data?

1. Tap the initial visualization to view the analysis data as a list of number cards.
2. You can format at a high level on the number card itself. Tap  on the required number card.
3. Select the format options. You can format the value on the number card as sum, average, count, number, currency, and percent.



Note:


If you select percent, then you can evaluate the value as a percentage of the total numbers.

4. To perform additional formatting, swipe the card to the right and tap **Update**.
5. Select formatting options and tap **Save**.



How do I change the data type in the app?

1. Tap the project.
You see the list of number cards.
2. Slide the required number card to the left.



3. Tap .
You can display the applicable data items as numbers or text, or opt to show or hide the items.
4. Tap any property to update it.
5. Tap **Proceed** to confirm your updates.
6. Tap **Save**.

How do I select specific data for analysis?


1. Tap a number card.
You see the charts for the selected number and its available text values. For example, in a chart, you might see product names as text values that each have a corresponding manufacturing price in the form of a number.
2. Tap the chart for the selected number and required text value.
3. Tap .
4. Select the required numbers and text.
5. Optionally, you can apply filters to limit the numbers and text values to use in the analysis.
6. Tap  to reapply the filters.

Based on the data selected, you see the analysis in a chart that is appropriate for that data.


How do I rename a project?

1. In the projects listing page, tap a project name.
2. Enter the new name.
You see the updated name for the project.


How do I delete a project?

1. In the projects listing page, tap  beside a project name.
2. You can either confirm the delete action or cancel it.

How do I change the initial visualization provided by the app?

1. Tap a number card.
You see the charts for the selected number and its available text values. For example, in a chart, you might see product names as text values that each have a corresponding manufacturing price in the form of a number.
2. Tap the chart whose type you want to change.
3. Tap  to modify the chart type.
4. Select a chart type. Tap **Choose for me** if you want the app to display the data in an appropriate chart type.

How do I share the analysis?

1. Tap a number card.
You see the charts for the selected number (for example, units sold) and the available text values (for example, country, region, segment).
2. Tap  beside the chart that you want to share. For example, you might want to share the chart called Units Sold by Country.
3. Tap **Share Image**.
4. Select the app you want to share with.

3

Synopsis for Android

Manage Data

- [How do I load data from a spreadsheet?](#)
- [How do I load data from a data set from Oracle Analytics Cloud?](#)
- [How do I load data from the Google Fit app?](#)
- [How do I load data from an image of a table?](#)
- [How do I change the format of the loaded data?](#)
- [How do I change the data type in the app?](#)
- [How do I select specific data for analysis?](#)
- [How do I add a new calculated numeric column in a data file?](#)
- [How can I view insights about a chart?](#)
- [How can I view insights about a project?](#)
- [How do I rename a project?](#)
- [How do I delete a project?](#)
- [How do I merge charts in a project?](#)
- [How do I merge multiple projects?](#)
- [How do I back up the project data?](#)
- [How do I restore the project data?](#)



Manage Visualizations

- [How do I change the initial visualization provided by the app?](#)

Share and Export

- [How do I share the analysis?](#)
- [How do I export the project?](#)

How do I load data from a spreadsheet?


1. Ensure that the data file (such as xls,xlsx, or csv) is available on your mobile device.
2. Open the app.
You see a list of projects.
3. Tap  available at the bottom of the Projects screen.
4. Tap **File Explorer** .

5. Select the location of your data file; for example, Dropbox.
6. Select the data file.

The app opens, loads the file as a project, and presents the initial analysis as a visualization that contains numbers and text values.

How do I load data from a data set from Oracle Analytics Cloud?

1. Ensure that you've subscribed to Oracle Analytics Cloud.
2. Open the app.
You see a list of projects.

3. Tap  available at the bottom of the Projects screen.

4. Tap **OAC** .

5. Enter the server information.


6. Click .

7. Select a data set that you created on the cloud service.

The app loads the selected data set as a project and presents the initial analysis as a visualization that contains numbers and text values.

How do I load data from the Google Fit app?

1. Open the app.
You see a list of projects.


2. Tap  available at the bottom of the Projects screen.


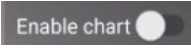
3. Tap Google Fit .

If the Google Fit app isn't installed on the device, you're prompted to install it (a one-time installation). If the Google Fit app is installed on the Android device, then the app asks you to allow access to your fitness data. If you allow, then it loads the Google Fit data as a project and presents the initial analysis as a visualization that contains numbers and text values.

How do I load data from an image of a table?

1. Open the app.
You see a list of projects.

2. Tap  available at the bottom of the Projects screen.

3. Tap **Lens** .
4. Point the device camera at a table of data.
5. Optionally, click **Enable chart**  to enable the augmented reality chart mode that creates a chart over the data in the table.
6. On the device, click the button that increases volume to import the data from the table.

The app loads the selected data as a project and presents the initial analysis as a visualization that contains numbers and text values.



How do I change the format of the loaded data?

1. Tap the initial visualization to view the analysis data as a list of number cards.
2. Slide the number card toward your right.
3. Select the format options. You can format the number with a currency symbol, the number of decimal places, and a number separator. Optionally, you can format the number as a percent.


Note:

If you select percent, then you can evaluate the value as a percentage of the total numbers.

You see the modified format.

4. Slide the card to the left to close the format options.
5. Optionally, use  on the required number card to view the data as a sum, average, or count.
6. In tablets that are 7 inches or larger, tap  available for the selected number card to change the format of the numbers.

How do I change the data type in the app?




1. Tap the project.
You see the list of number cards.
2. Tap .
3. Tap, hold, and drag a value in a number column to a text column to convert that value to text.

 **Note:**







You cannot reverse this change. You can only move the number to text, but not the other way around.

4. Tap on the items to show or hide them.
5. Enable **Edit column labels**, if you want to change the item label name.
6. Tap **Apply**.


How do I select specific data for analysis?

1. Tap a number card.
You see the charts for the selected number and its available text values. For example, in a chart, you might see product names as text values that each have a corresponding manufacturing price in the form of a number.
2. Tap the chart for the selected number and required text value.
3. Tap  to modify the chart.
4. Select the required numbers and text.
5. Optionally, tap  to filter the numbers and text values to use in the analysis.
6. Tap  to add more than one text element to a bar chart.
7. Tap **Apply**.
Based on the data selected, you see the analysis in a chart that is appropriate for that data.


How do I add a new calculated numeric column in a data file?

1. Tap the project.
You see the list of number cards.
2. Tap . You see the numeric columns available in the data file and the options to perform basic mathematical calculations; for example, , . You can swipe  to open the numeric keypad to perform complex mathematical calculations.
3. Select the columns and the mathematical operation that you want to perform; for example, select Sales and Cost numeric columns; then select .
4. Tap  and name the new column, for example, Profit.
The app adds the new Profit column with the calculated profit values to the list of number cards.

How can I view insights about a chart?

1. Tap a project.
You see the list of number cards.
2. Tap a number card.
You see the charts for the selected number and its available text values.
3. Tap a chart.
4. Tap .
You see insights about the data in the chart based on logic and common sense. Use this machine learning for a predictive analysis of the data in the chart.

How can I view insights about a project?

1. Tap a project.
You see the list of number cards.
2. Tap .
You see insights about the data in the project based on logic and common sense. Use this machine learning for a predictive analysis of the data in the project.

How do I merge charts in a project?

1. Tap a project.
You see the list of number cards.
2. Tap a number card; for example, Units Sold.
You see the various Units Sold charts such as Units Sold by Segments and Units Sold by Country.
3. Tap, hold, drag, and drop one chart on top of another to merge the two charts.

 **Note:**

Prior to merge, you can predict if the merge will be successful. If a merge is going to be successful, then you see a green background color for the drop target; else, you see a red background color for the drop target.

You see a new combination chart to work with like other charts.

How do I merge multiple projects?

You can only merge two projects that share the exact same structure; for example, projects that are based on the same spreadsheet. Prior to merge, you can predict if the merge will be successful. If a merge is going to be successful, then you see a

green background color for the drop target; else, you see a red background color for the drop target.

Tap, hold, drag, and drop one project on top of another to merge data of the two projects; for example, projects such as Order Activity of 2017 and Order Activity of 2016. You see a new project that you can work on like other projects.


How do I rename a project?

1. Tap the project to open it.



Note:


You can't rename projects when using a tablet.

2. Tap  beside the project name.
3. Change the name and subtitle as required.
4. Tap **Save**.

How do I delete a project?

1. Swipe left to right on the project.
2. Use **Undo** to reverse the delete action.

How do I back up the project data?


1. Open the app.
You see a list of projects.
2. Tap  next to **Projects**.
3. Select **Settings**.
4. Select **Backups**.


The app connects to your Google drive.

5. Select .


The app backs up the projects and configuration data to your Google drive.

How do I restore the project data?


1. Open the app.
You see a list of projects.
2. Tap  next to **Projects**.

3. Select **Settings**.
4. Select **Backups**.
The app connects to your Google drive.
5. Select  adjacent to the desired time-stamped backed-up data.



How do I change the initial visualization provided by the app?

1. Tap a number card.
You see the charts for the selected number and its available text values. For example, in a chart, you might see product names as text values that each have a corresponding manufacturing price in the form of a number.
2. Tap the chart whose type you want to change.
3. Tap .
4. Tap **Charts** to modify the chart type.
5. Select a chart type. Tap **Choose For Me** if you want the app to display the data in an appropriate chart type.

How do I share the analysis?

1. Tap a number card.
You see the charts for the selected number (for example, units sold) and the available text values (for example, country, region, segment).
2. Tap  beside the chart that you want to share. For example, you might want to share the chart called Units Sold by Country.
3. Select the app you want to share with.

How do I export the project?

1. Tap .
2. Tap **Export Project**.
3. Select the destination folder on your device.
4. If required, tap  to create a new folder.
5. Tap **OK**.

4

Troubleshoot

- [What do I do if data is not loading?](#)
- [Where can I learn more?](#)

What do I do if data is not loading?

The app doesn't load data if it can't derive anything from your spreadsheet. In such cases, you see a message and an example of correct data formatting. Correct the format of the data according to the example and reload your spreadsheet.

Where can I learn more?

You can learn more on the [Oracle Analytics Cloud Synopsis Community page](#).