2.1 Work with Excel files in Drive

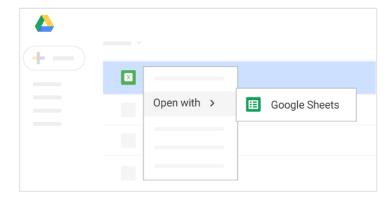
There are different ways to work with Microsoft Excel files. You can:

Import Excel data into Sheets. Learn more

Convert Excel files to Sheets. Learn more

Edit Excel files in Drive without converting them. Learn more

Convert Sheets files to Excel or other formats. Learn more



2.2 Use Excel and Sheets together

If your team uses Microsoft® Excel® and Sheets, here are some best practices for when to use each product.

Convert existing Excel spreadsheets to Sheets if:

You need to collaborate or simultaneously edit with your team.

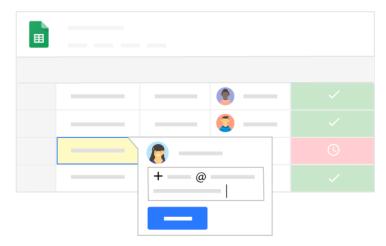
Your dataset is 5 million cells or fewer.

Continue working in your existing Excel spreadsheets if:

Your dataset is greater than 5 million cells.

You're using the Hyperion add-on with Excel.

If you use rare chart types, such as 3D pyramid charts or pie-of-pie charts.



2.3 Edit Excel files in Sheets

Open an Excel file from Drive and edit it in Sheets. Any changes you make are saved in the original Excel format.

Chrome Browser only

- 1. Make sure the Office Editing for Docs, Sheets, & Slides extension is not installed:
 - a. Open Chrome Browser and in the top-right corner, click More : > More Tools > Extensions.
 - b. If you see the Office Editing for Docs, Sheets, & Slides extension, click Remove.
- 2. In Drive, double-click an Excel file.

A preview of your file opens.

3. At the top, click Open with Google Sheets.

You can now edit, share, view version history, collaborate in real-time with others, and more. All changes you make are saved to the original Microsoft Office file.

2.4 Import Excel data into Sheets

You can import data from an Excel file to a new (or existing) Sheets file. Your Excel file won't be changed, even as you change the Sheets file.

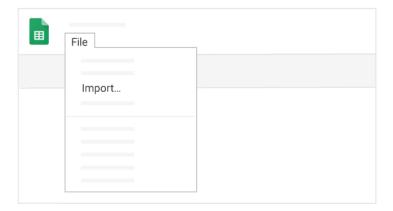
- 1. In Sheets, create a new or open an existing spreadsheet.
- 2. Click File > Import.
- 3. Choose the Excel file and click Select.
- 4. Choose an import option:

Create new spreadsheet

Insert new sheet(s)

Replace spreadsheet

- 5. Click **Import data**.
- 6. If prompted, click Open now.



2.5 Convert Excel files to Sheets

Instead of importing data, you can convert an Excel file to Sheets and keep working on it in Sheets. Your Excel file won't be changed.

- Open Driveand double-click an Excel file.
 A preview of your file opens.
- 2. At the top, click Open with Google Sheets.
- 3. Click File > Save as Google Sheets.

To automatically convert all future uploads of Office files to Google Sheets:

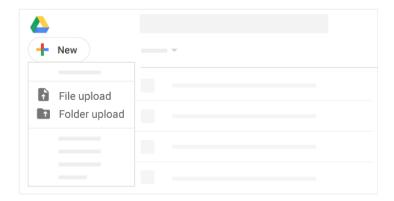
- 1. In Drive, at the top, click Settings (**) > Settings.
- 2. Next to Convert uploads, turn on Convert uploaded files to Google Docs editor format.

Note: Previously uploaded files will not be converted.

In Drive, you'll see the Excel file and the new Sheets file. You can keep the Excel file or delete it. If you keep the Excel file, to avoid confusion, you can rename it to something like [Archived] My doc.xls.

Tip: Use these icons to quickly differentiate Sheets and Excel files in Drive:

Sheets X Excel



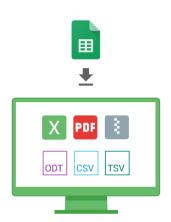
2.6 Share a copy of a Sheets file in Excel format

You can work on a spreadsheet in Sheets and then send a copy by email as an Excel file (or a PDF).

- 1. In Sheets, open the file.
- 2. Click File > Email as attachment.
- 3. Under Attach as, choose Microsoft Excel.
- 4. Enter the email address, subject, and message.
- 5. (Optional) Check the Send a copy to myself box.
- 6. Click Send.

You can also download a copy of the Sheets file in Excel, PDF, CSV, ODS, or other formats.

- 1. In Sheets, click File > Download as.
- 2. Select the file format you want to download.



3.1 Perform basic operations

Most basic operations work the same way in Sheets and Microsoft® Excel®, such as:

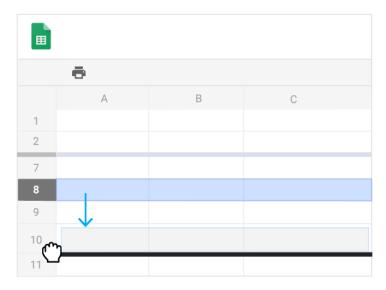
Moving rows and columns

Adding or removing rows or columns

Adding functions (function names are the same)

Printing spreadsheets

Copying and pasting data



3.2 Search for data

Excel: Find and select Find & Select ▼ Find... Began Replace... Go To...

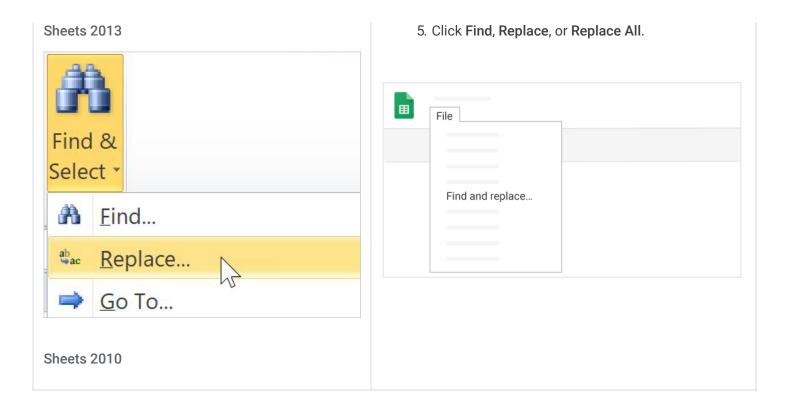
Sheets:

Find and replace

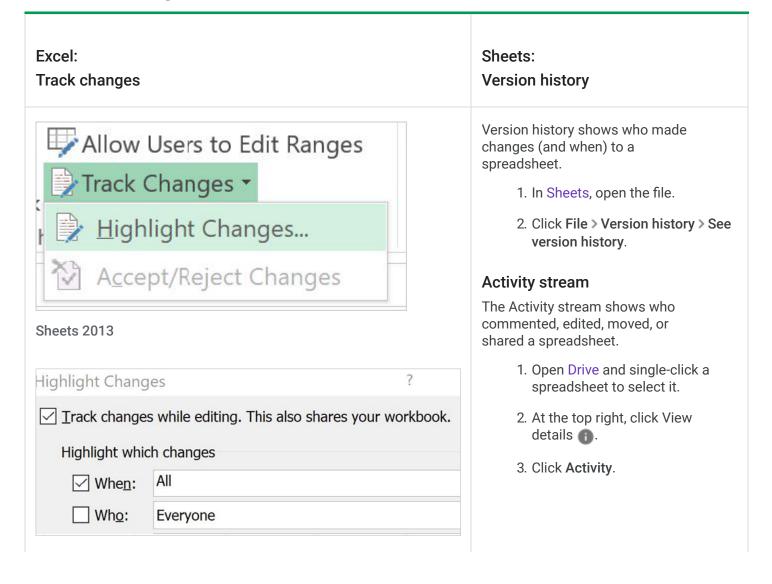
- In Sheets, open the file and click Edit > Find and replace.
- 2. Enter the word you want to find.
- 3. (Optional) To replace the word, enter the new word.
- 4. (Optional) To narrow your search, specify:

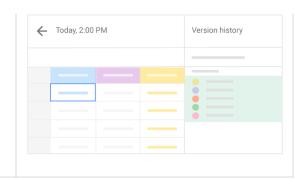
Where to search (all sheets, this sheet, a specific range).

How to search (match case, match the entire cell, use regular expressions, or search in formulas).



3.3 See changes to data





3.4 Restrict data sharing

Sheets: Restrict sharing options

- 1. In a spreadsheet you own, click Share.
- 2. Click Advanced.
- 3. Check one or both of these boxes:

Prevent editors from changing access and adding new people

Disable options to download, print, and copy for commenters and viewers

- 4. Click Save changes.
- 5. Click Done.



3.5 Use keyboard shortcuts

Sheets: See a complete list of shortcuts

- 1. Open Sheets.
- 2. For Windows and Chrome OS, press Ctrl+/.
- 3. For Mac, press $\Re +/.$

For more details, see Keyboard shortcuts for Google Sheets.

4.1 Add charts

Excel: Sheets: Insert charts Add a new chart 1. In a spreadsheet, highlight the range of data that you want to create a chart for. 2. Click Insert > Chart. 3. (Optional) To customize the chart, click More : > Edit chart. You can also add a Sheets chart to a Slides presentation. For details about adding charts, see Add and edit a chart or graph. Excel 2013 田 Charts **Excel 2010**

4.2 Get automatic charts

Get summaries and charts of your data with the click of a button in Sheets. It's kind of like having an expert in data analysis sitting next to you.

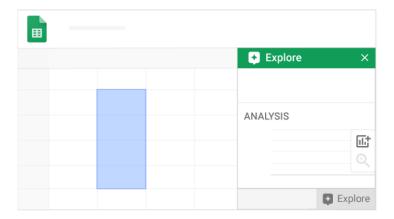
Sheets: Get automatic charts

- 1. In a spreadsheet, select a range of cells, columns, or rows. Otherwise, you'll get insights based on where your cursor is.
- 2. At the bottom, click Explore .
- 3. Choose an option:

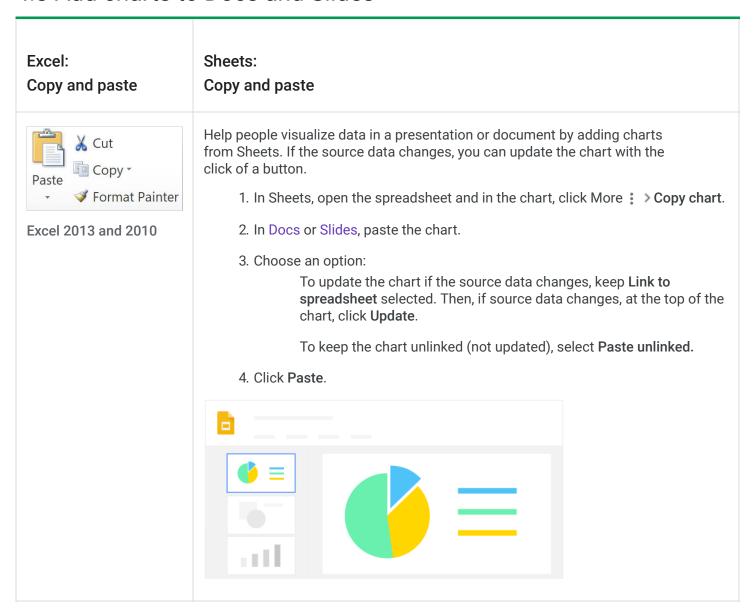
Point to a chart and click Insert chart III:

Ask a question about your data under **Answers**.

Tip: To customize a chart, click More : > Edit chart > Customize.



4.3 Add charts to Docs and Slides

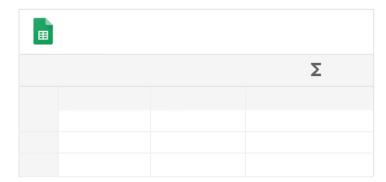


4.4 Functions in Sheets and Excel

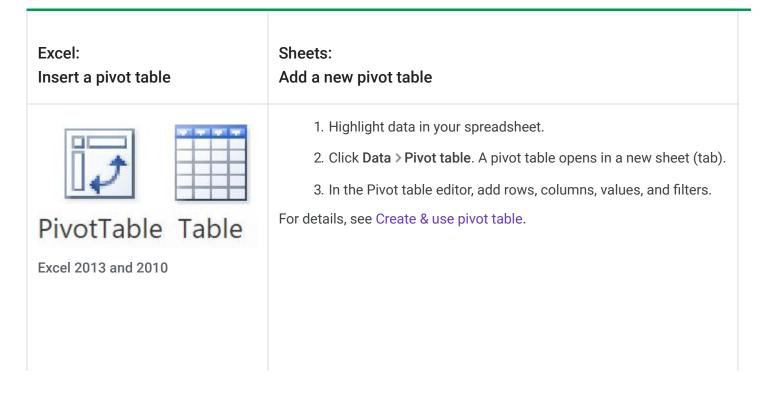
Most Excel functions are the same in Sheets. For a list of common functions, see the Sheets Cheat Sheet. Some unique functions in Sheets:

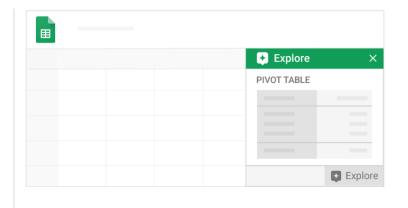
FILTER	Returns a filtered version of the source range, returning only rows or columns that meet specified conditions.
SORTN	Returns a specified number of items in a data set after a sort.
SPARKLINE	Creates a miniature chart in a single cell.
QUERY	Runs a Google Visualization API Query Language query across data.
GOOGLEFINANCE	Gets current or historical securities information from Google Finance.
GOOGLETRANSLATE	Translates text from one language into another.
IMPORTRANGE	Imports a range of cells from a specified spreadsheet.

For a list of all functions in Sheets, see the Google Sheets function list.

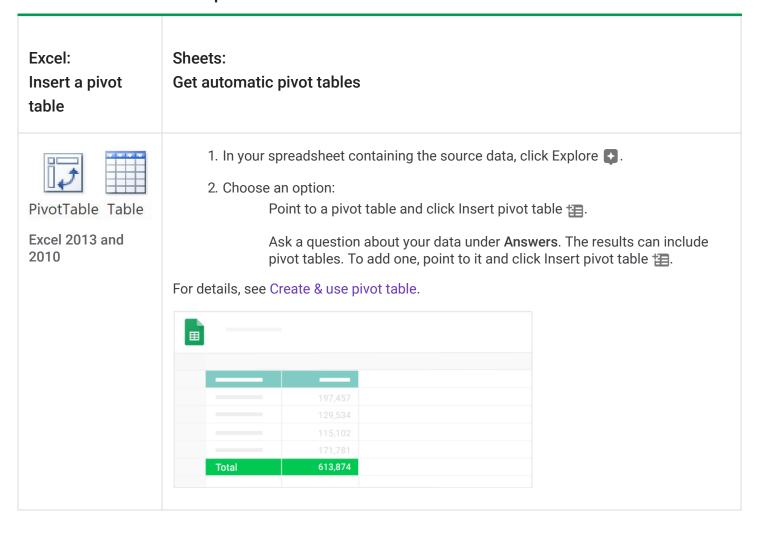


4.5 Add pivot tables





4.6 Get automatic pivot tables



1.1 Get Sheets on your devices

You can open Sheets in any of the following ways:

Any web browser-Go to sheets.google.com.

Google Drive—Click New > Google Sheets and create from scratch or from a template.

Most Google pages—In the upper-right corner, click the App Launcher ::: > Sheets.

Android devices—Install and open the Android app.

Apple[®] iOS[®] devices—Install and open the iOS app.



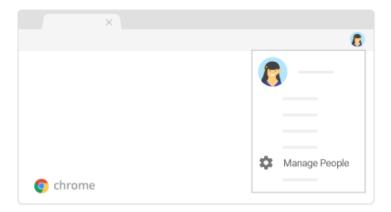
1.2 (Optional) Add multiple Google Accounts

Have multiple Google Accounts? Quickly switch between them with Chrome profiles.

Note: Don't have Chrome Browser yet? See instructions on how to install Chrome.

- 1. In Chrome Browser, in the top-right corner next to the address bar, click your profile image.
- 2. Click Manage People.
- 3. Click Add Person.
- 4. Enter a name, choose an image, and click Add.
- 5. Sign in with the Google Account you're adding.
 All settings and bookmarks automatically sync.
- 6. Click your profile image and choose a different profile to switch between accounts.

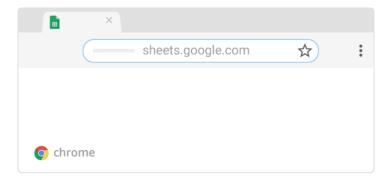
If you're unsure which account you're currently using, click your name and see which profile is at the top.



1.3 Create a browser bookmark

- In Chrome Browser, open Sheets.
 Note: If you prefer to open spreadsheets from Google Drive, open Drive instead.
- 2. In the top-right corner, click More : > Bookmarks.
- 3. Make sure that Show Bookmarks Bar has a check next to it.
- 4. In the address bar, click Bookmark ☆.

If you're not using Chrome, follow your browser's instructions to bookmark sheets.google.com.



1.4 Add a Sheets desktop shortcut (Windows only)

If you're using Microsoft® Windows®, you can add a shortcut to Sheets on your desktop.

- 1. Go to your desktop and right-click.
- 2. Choose New > Shortcut.
- 3. For the location, enter https://sheets.google.com.
- 4. (Optional) To name your shortcut, enter a name.
- 5. Click Finish.

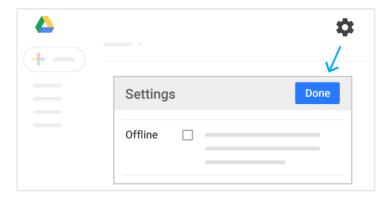


1.5 Work offline (Chrome only)

When you turn on offline access, your most recent files are automatically saved for offline use.

- 1. Install the Google Docs Offline extension.
- 2. In Drive, click Settings 🔹 > Settings.
- 3. In the Offline section, check the Create, open, and edit your recent Google files while offline box.
- 4. Click Done.
- 5. Right-click a file and turn on Available offline.

To learn how to access files offline from your desktop or mobile, see Access stored Drive files without the internet.



5.1 Automate tasks with macros

Excel: Sheets: **Macros and Google Apps Script** Individual messages Automate repetitive tasks with macros in Sheets. Or, if you need custom functions, Insert Page Layou Home menus, or windows, you can create them with Google Apps Script. Record Macro Record a macro: Use Relative References 1. In Sheets, open a spreadsheet and click Tools > Macros > Record macro. Visual Macros ▲ Macro Security Basic 2. Select the type of cell reference to use. Code 3. Complete the task you want to record and click Save. Excel 2013 and 2010 4. Name the macro and click Save. 5. Click Tools > Macros > your macro to run the macro. Ħ Tools Macros ► Record macro Create a script: 1. Click Tools > Script editor. 2. Create your script. For more information, see Overview of Google Apps Script.

5.2 Do more with add-ons

Excel:	Sheets:
Reading pane	Add-ons
	Use ready-made add-ons to do more with Sheets. Here's a few things you can do:



Excel 2013



Excel 2010

Use the Data connector for Salesforce to connect with Salesforce.

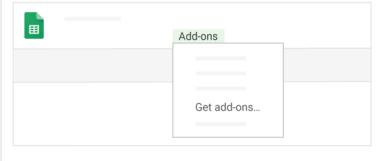
Use Supermetrics to connect with MySQL and Oracle.

Use Copper CRM Custom Report Builder to integrate Copper CRM data.

Use Greenhouse Report Connector to integrate Greenhouse recruiting data.

Download add-ons:

- 1. Click Add-ons > Get add-ons.
- 2. (Optional) To see a description of the add-on, point to it or click it for a full description.
- 3. Click the add-on you want to install and click Free.
- 4. If needed, review the access message and click Allow.



6.1 Share spreadsheets

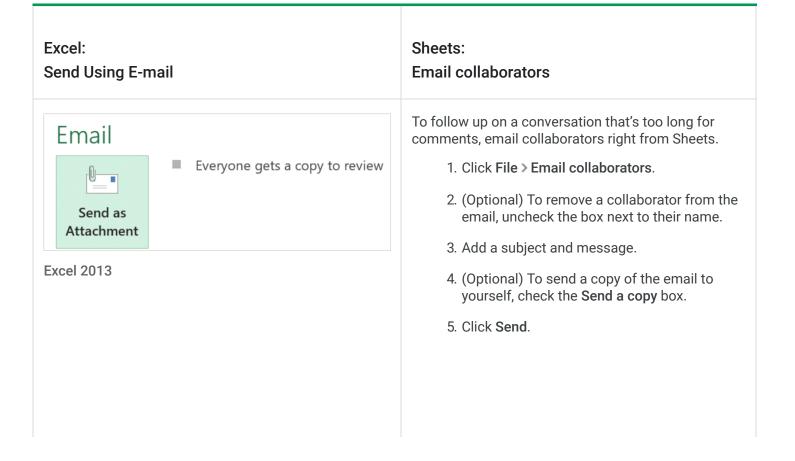
Excel: Sheets: Share workbook Share with specific people or using a link Share with specific people: 1. Open the file you want to share (that you own or have edit access to). 2. Click Share. Share 3. Enter the email addresses or groups that you want to share with. Workbook 4. Choose what kind of access you want to give people: Can edit, Can comment, or Can view. Excel 2013 5. Click Send. Protect a Share using a link: Allow Us 1. Open the file and click Share. Share Track Ch 2. At the top right, click **Get shareable link**. Workbook 3. Next to Anyone with the link, click the Down arrow - and choose the **Excel 2010** level of access you want to give people. 4. Copy and paste the link in an email or any place you want to share it. For more details, see Share files from Google Drive. Share Send

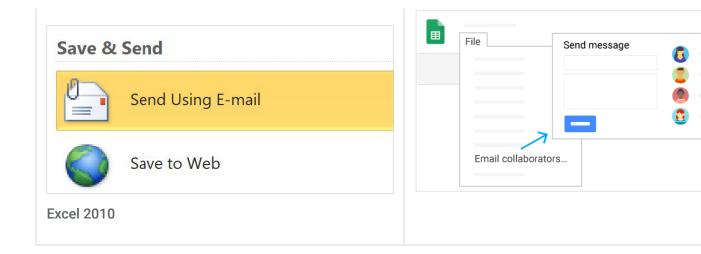
6.2 Add comments and assign tasks

Excel:	Sheets:	

Comment Add comments and assign tasks 1. Open the spreadsheet and select the text you'd like to comment on. 2. Click Comment = > Add comment = 1. Excel 2013 3. Enter your comment in the box. 4. (Optional) To direct your task or comment to a specific person, enter a plus sign (+) followed by their email address. You can add as many people as you want. Each person will get an email with your comment and a link to the file. New Delete Previous Next Comment 5. (Optional) To assign the comment to a specific person, check the Assign to box. **Excel 2010** 6. Click Comment or Assign. \pm **@** Comment

6.3 Email collaborators





6.4 Switch to an earlier version or name a version

If you own the spreadsheet or have edit access to it, you can see past versions and restore them.

Sheets: See versions or restore a version:

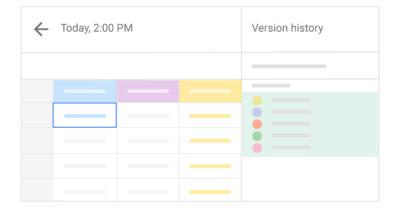
- 1. Select File > Version history > See version history.
- 2. (Optional) To see only named versions in the list, click Only show named versions.
- 3. Click a timestamp to see a previous version of the file.

Below the timestamp, you'll see:

The names of anyone who edited the document.

A color next to each person's name. The edits they made appear in that color.

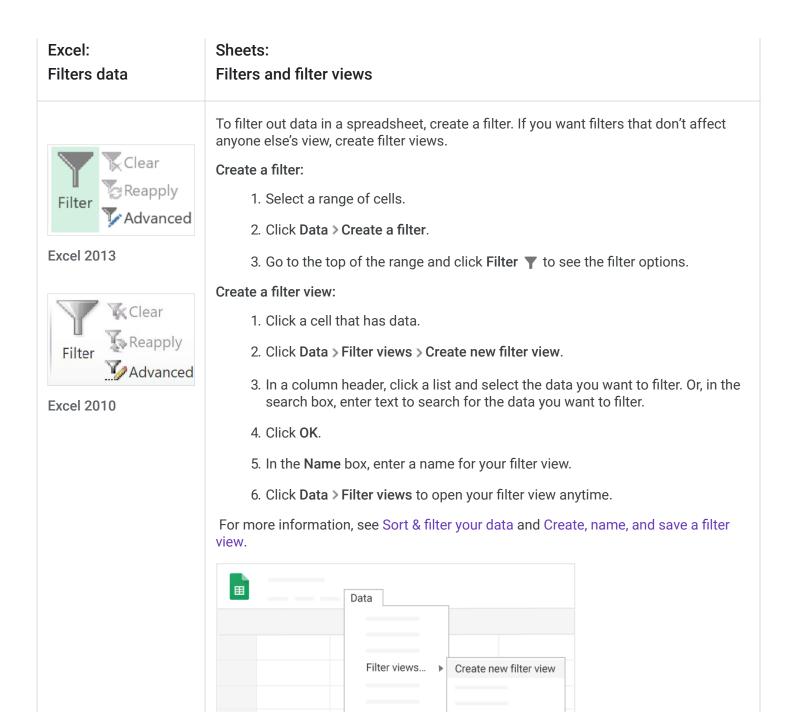
4. (Optional) To make the version the active version, click Restore this version.



Name a version:

- 1. Select File > Version history > Name current version.
- 2. Enter a name and click Save.

6.5 Create filters and filter views



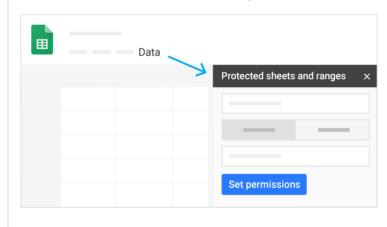
6.6 Protect content

Excel: Protect Sheet or Workbook	Sheets: Protected sheets and ranges	
	If you have sensitive content in a spreadsheet, you can restrict people from updating it.	

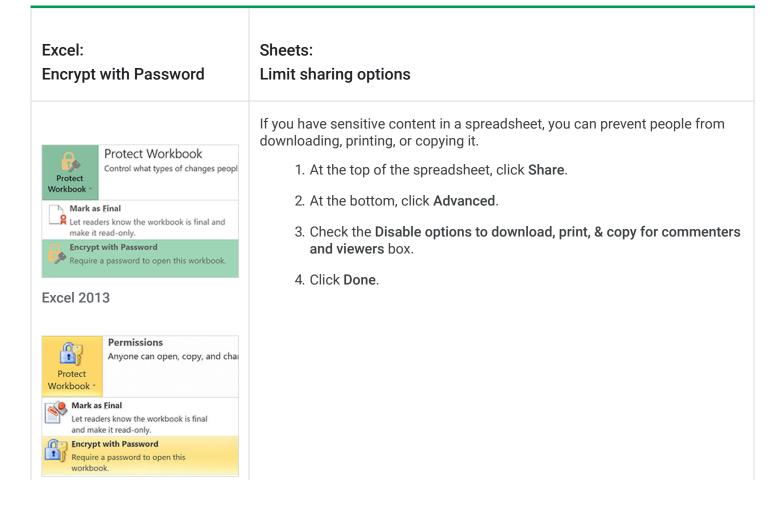


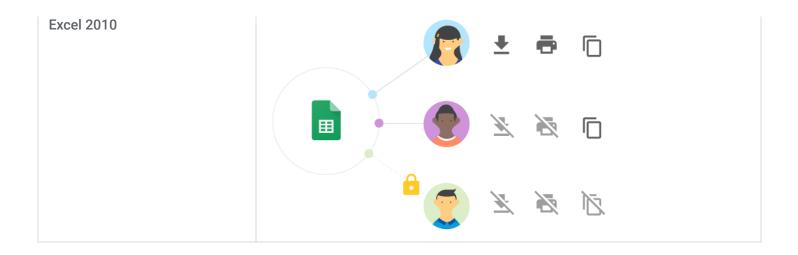
- 1. Open the sheet and click Data > Protected sheets and ranges.
- 2. Click +Add a sheet or range.
- 3. Click **Range** to protect a range of content or **Sheet** to protect a whole sheet.
- 4. Click **Set permissions** and choose whether to show a warning or restrict who can edit the content.
- 5. Click Done.

For details, see Protect content in a spreadsheet.



6.7 Limit sharing, downloading, printing, or copying





6.8 Set an expiration date for sharing

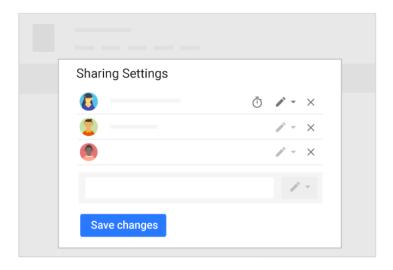
Sheets: Set sharing expirations

When you're working with people outside of your organization, such as clients or agencies, you might want to restrict their access to certain files when your projects are complete.

Set an expiration date:

- 1. At the top of the spreadsheet, click **Share**.
- 2. If the file isn't already shared, share it.
- 3. Click Advanced.
- 4. Hover over a person's name and click Set expiration 💍.
- 5. Change the access expiration date.
- 6. Click Save changes > Done.

Note: You can't set the expiration for the current day. If you need to restrict access immediately, just unshare the file.



6.9 See who's viewed a spreadsheet

Sheets: See who's viewed a spreadsheet

In Sheets, if you have edit access to a spreadsheet, you can see:

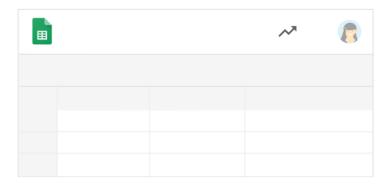
Who it's shared with

Who viewed it

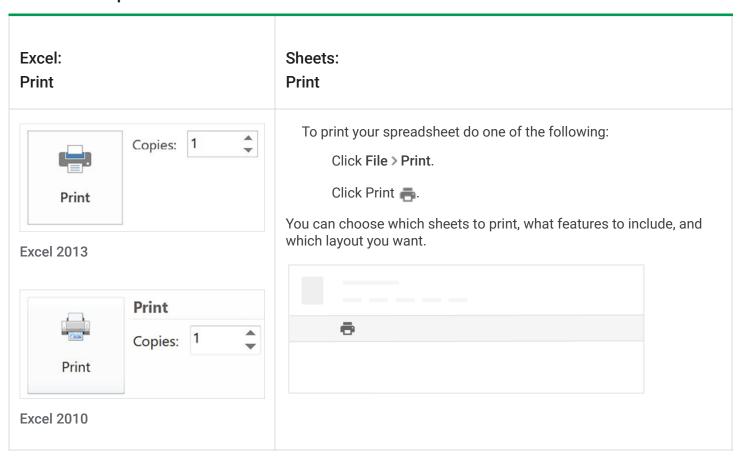
A chart of viewers over time

To see the Activity dashboard, at the top right, click Activity dashboard ✓.

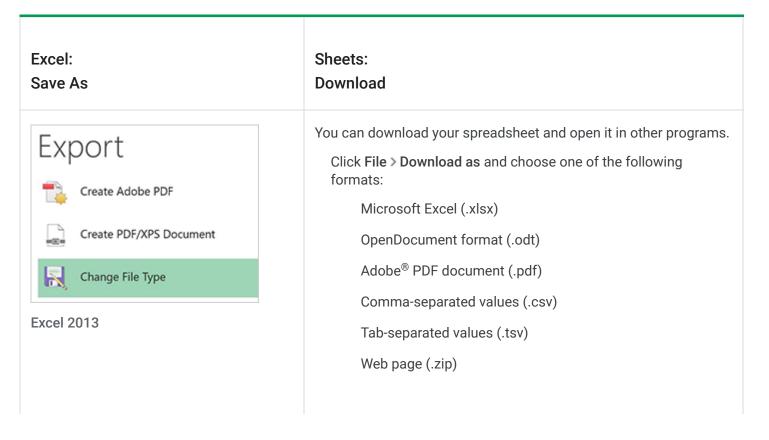
If you don't want your view history to appear in the Activity dashboard, you can change the privacy settings.

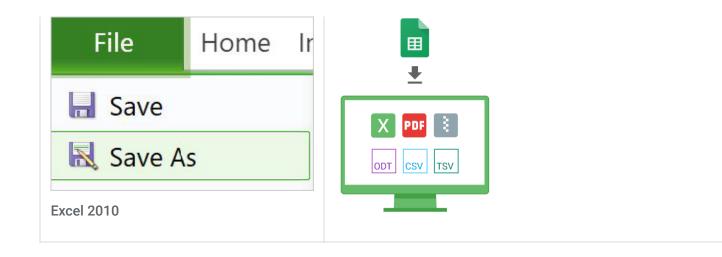


7.1 Print spreadsheets

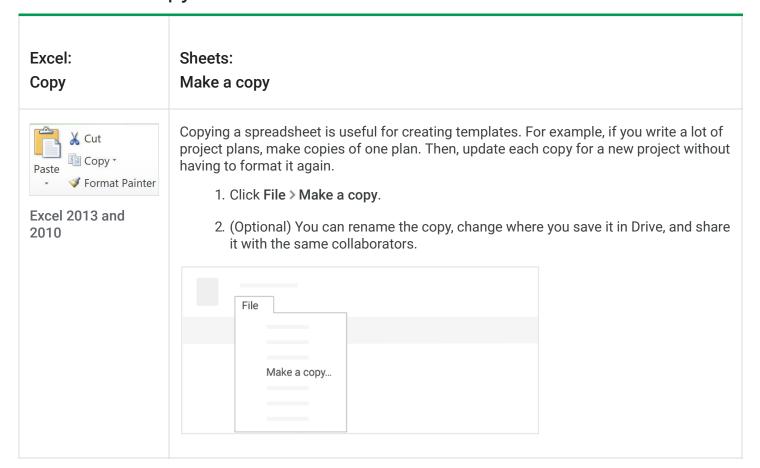


7.2 Download in different formats



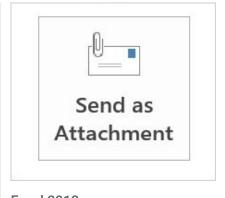


7.3 Make a copy

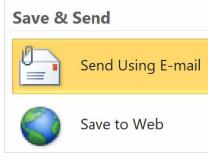


7.4 Email a copy

Excel:	Sheets:
Send as Attachment	Email as attachment
	If you need to collaborate with someone on your spreadsheet in your old program or format, such as PDF or Excel, you can email it as an attachment.

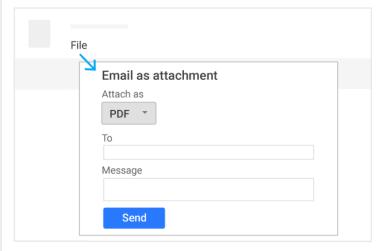


Excel 2013



Excel 2010

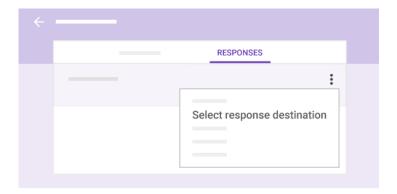
- 1. Open the spreadsheet and click File > Email as attachment.
- 2. Select a format.
- 3. Enter the email addresses or groups you want to send copies to.
- 4. Add a message.
- 5. Click **Send**.



8.1 Import data from Forms

Analyze data from Google Forms by sending it to Sheets.

- 1. In Forms, open the form with the data you want to import.
- 2. At the top, click Responses.
- 3. Click More : > Select response destination.
- 4. Create a new spreadsheet or select an existing one.
- 5. Click Create or Select.



8.2 Save time with templates

If you're creating the same types of files over and over, such as expense reports and purchase orders, save time with a template.

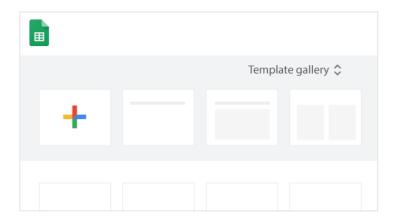
Sheets: Choose an existing template:

- 1. Open Sheets and at the top, click **Template Gallery**.
- 2. Click the template you want to open it.

Create your own template:

- 1. Open Sheets and at the top, click **Template Gallery**.
- 2. At the top of the gallery, click your organization's name.
- 3. Click Submit Template.
- 4. Click Select a spreadsheet, and choose the template file you created, and then click Open.
- 5. Select a category for your file.
- 6. Click Submit.

Your new template appears in the Template Gallery under your organization's name.

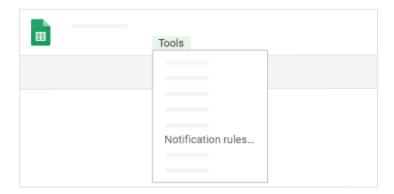


8.3 Find out if someone changes a spreadsheet

Notification rules let you know when any changes are made to a spreadsheet.

Sheets: Create notification rules:

- 1. In Sheets, open the spreadsheet where you want to set notifications.
- 2. Click Tools > Notification rules.
- 3. Select when and how you want to receive notifications.
- 4. Click Save.



8.4 Add checkboxes to cells

Use checkboxes to make Sheets more interactive. You can use checkboxes with charts, filters, pivot tables, and formulas.

Sheets: Add or remove checkboxes:

- 1. In Sheets, open a spreadsheet and select the cells where you want checkboxes.
- 2. Click Insert > Checkbox.

Note: In formulas, unselected checkboxes have a value of FALSE (exclude) and selected checkboxes have a value of TRUE (include). You can see the value in the Formula bar. You can also change this value.

3. (Optional) To delete checkboxes, select the checkboxes you want to remove and press Delete.

