

10 Things to Know about JMP (+1)

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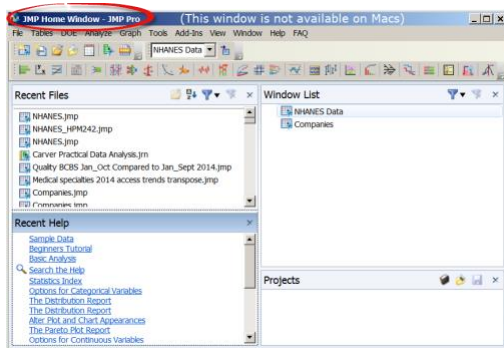
1. Opening JMP and Getting Started

Click on the JMP14 icon on your Desktop or Mac Dock

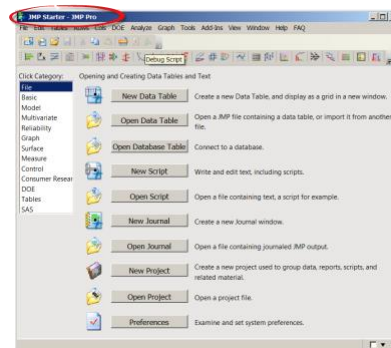


Mac users: If you do not see a JMP Icon, go to **Finder>Applications>JMP Pro 14**

JMP will open one of these windows, depending on your computer:



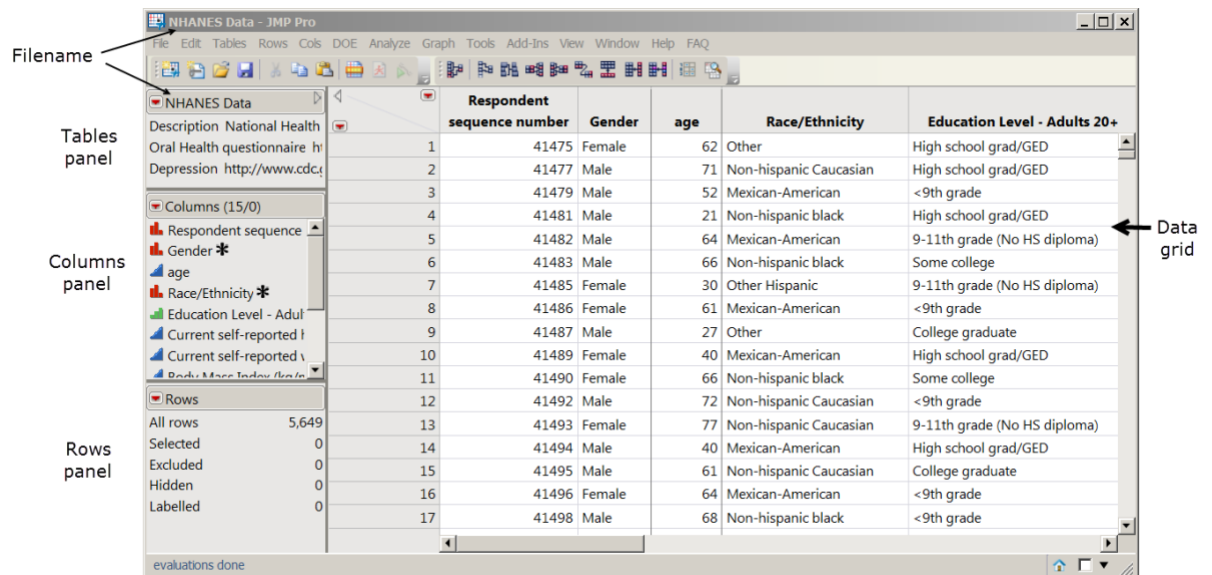
JMP Home Window






JMP Starter Window

2. JMP Data Tables

- Open the NHANES JMP data file save it to a permanent folder on your laptop where you can find it. (**File > Save As**). Then use **File>Exit JMP** or **<Ctrl>q** to quit JMP.
- Now, let's reopen JMP and the data table: **File>Open data table** and navigate to the folder where you saved the data file. (Or, you can click on the filename to open it.)
- The data table window is divided into **4 panels**:

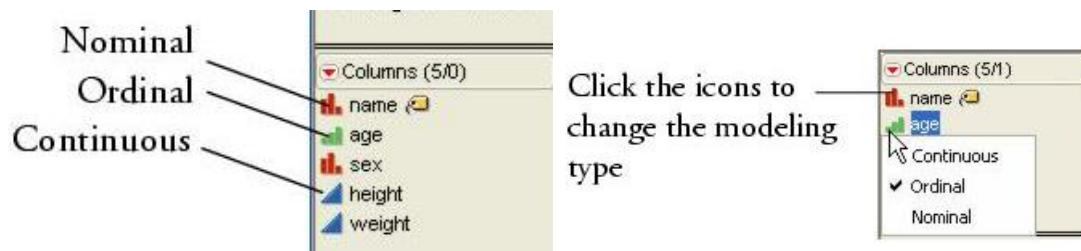


3. JMP Interface

- Red triangles:** Click  to reveal menu that shows relevant commands
- Disclosure Buttons:**   Click to open or close sections of a report

❖ **Hint:** The best way to learn JMP is to click on the red triangles wherever you see them and try things!

4. Modeling type (*continuous, ordinal, nominal*)



To [change modeling type](#): Right-click¹ on icon & choose modeling type from menu.

❖ Hint: To change multiple modeling types simultaneously, use the Shift and Control buttons to highlight the columns you want to change.

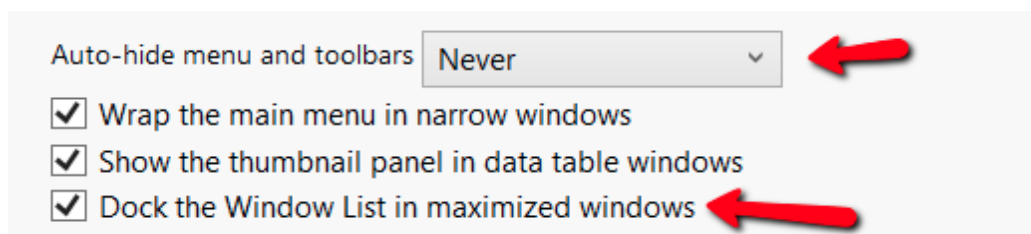
► **Exercise:** Change the modeling type for AGE to **Nominal**. Change it back to **Continuous**. Why is the modeling type for AGE set to **Continuous** rather than **Nominal** or **Ordinal**?

5. Customizing JMP: set a preference to never hide menus (does not apply to Macs)

Why? So the toolbar is always visible in analysis platforms.

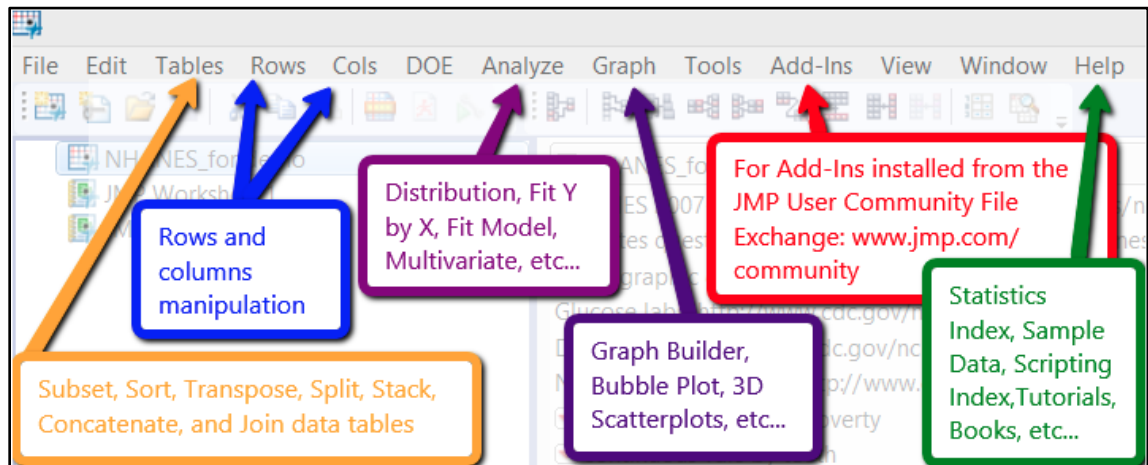


File > Preferences > Windows Specific > Auto-Hide Menu and Toolbars > Select "Never"

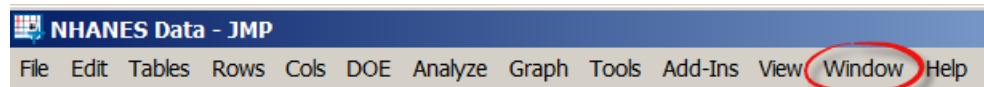


¹ Mac users: Hold down the control key and click.

6. Menu Navigation

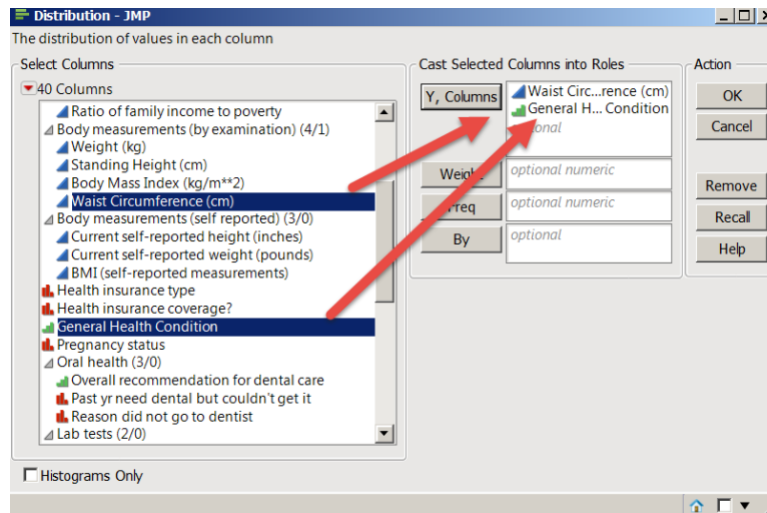


- **View>Home:** Access recent files, open, close, arrange or hide active JMP windows
- Show menu options with explanations
 - **View>JMP Starter** (PC)
 - **Windows>JMP Starter** (Mac)
- **Window** menu: See a list of open windows, including ones that are hidden







7. Analyze>Distribution

Use **Analyze>Distributions** for histograms, means, bar charts, frequency tables, and other univariate graphics and statistics. A column's modeling type determines the type of analysis.




► Exercises: Explore, Customize, Interpret, Get Help

Explore	Use Analyze>Distributions to look at distributions of WAIST CIRCUMFERENCE and GENERAL HEALTH CONDITION .
Customize	Rotate histograms to be vertical:  Distributions>Stack .
Interpret	What are the differences between the reports for WAIST CIRCUMFERENCE and GENERAL HEALTH CONDITION ? Why are they different?
Customize	Use  GENERAL HEALTH CONDITION >Histogram Options>Show percents to add annotations .
Customize	Resize a graph by pulling its corner. Place the cursor on the corner until a double arrow appears  and pull.
Get Help	Select the  tool from the toolbar and drop it on the WAIST CIRCUMFERENCE graphic for Help in context .
Get Help	In the WAIST CIRCUMFERENCE Summary Statistics section, rub your cursor over the "Std Dev" for Hover Help .
Explore	Click on the GENERAL HEALTH CONDITION =BAD bar in the bar chart. Observe WAIST CIRCUMFERENCE .
Customize	Choose Rows>Clear row states to remove highlighting from the graphics.

8. Copy your results to Word, PowerPoint, etc.


Tool bar

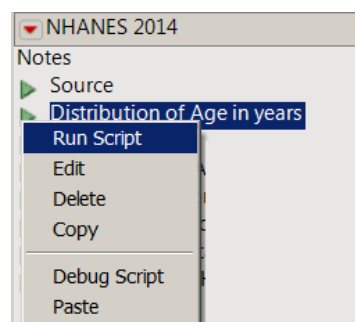


- Toolbar>Use the **Selection** tool  to highlight some or all the results (or use Tools Menu)
- Right-click>**Copy**².
- In Word, **Edit>Paste**.



❖Hint: To quit selection mode, click on the **Arrow** tool.

9. Save your work in your JMP data table (so you can rerun your procedures)

- Use red triangle menu: 
 - Distributions>Script>Save script to Data Table.
- The script is saved in the Tables panel.
- Reopen the saved script by clicking on the green triangle menu.



10. Help!

1. The **Help** menu (Books, Statistics index, Tutorials, Tip of the day, etc.)
2. The  tool from the **Tools** menu (pick up and drop for help in context)
3. Click on red triangles  and explore menus
4. Hover help: rub cursor over a statistic in results for an explanation
5. Right click on results, rows, and column names for menu options
6. JMP website: <http://www.jmp.com/support/>

11. Transfer data to JMP from Excel (Use A or B)

- A. Copying and Pasting data from Excel into JMP:
 1. In Excel, copy the cells you'd like to import, including column names (one row).
 2. In JMP, click on **File > New > Data Table** or select New Data Table from the JMP Starter.
 3. Select **Edit > Paste** or **Edit > Paste with Column Names** to paste the data into the new data table. Selecting the latter will allow you to paste column names from your Excel file
- B. Import Excel data into JMP
 4. Select **File > Open**.
 5. Navigate to the directory where your files are stored. Select the Excel file to import.
 6. Click **Open**, or use the **Excel Wizard** to easily customize the import.

² Keyboard shortcut: Windows **CTRL + C**, Mac **⌘ + C**