

StatCrunch Directions: Mod 4 – Histogram Lab

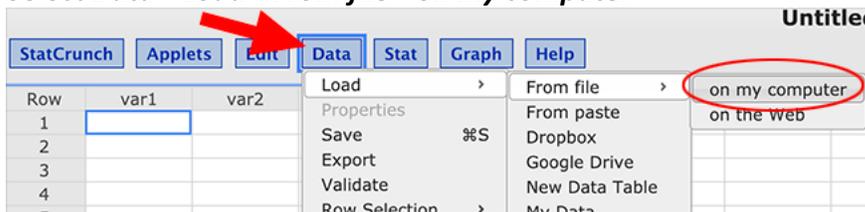
Note: these directions assume that you have already purchased and set up your StatCrunch account.

- 1) Go to www.statcrunch.com and login. Then click on **Open StatCrunch**.



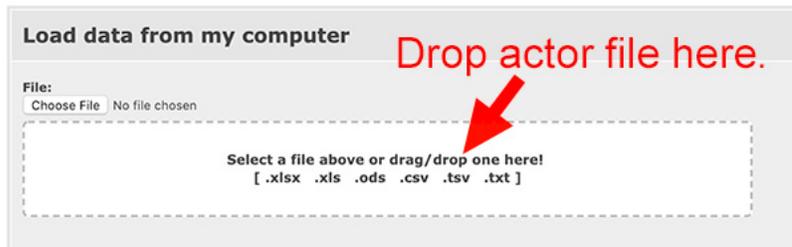
- 2) To upload the *actor* Excel data file into StatCrunch:

- a) Select **Data**→**Load**→**From file**→**on my computer**

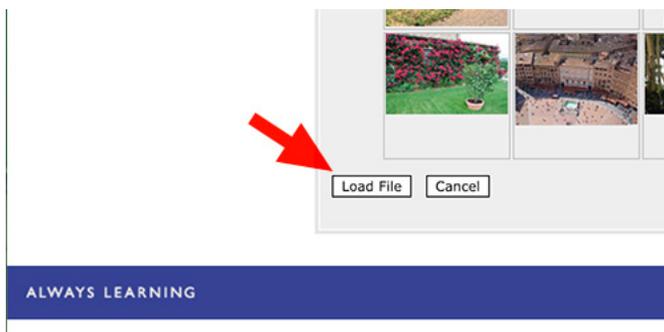


Note: as you work through the lab you may notice multiple StatCrunch tabs are open in your browser. You may close any StatCrunch tab that you are not using.

- b) Locate the *actor* data file on your computer (likely in your downloads folder). Drag and drop the file into StatCrunch.

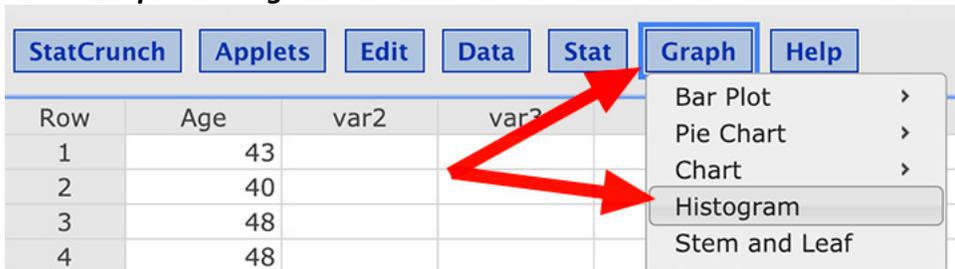


- c) Scroll to the bottom of the page and click the **Load File** button.

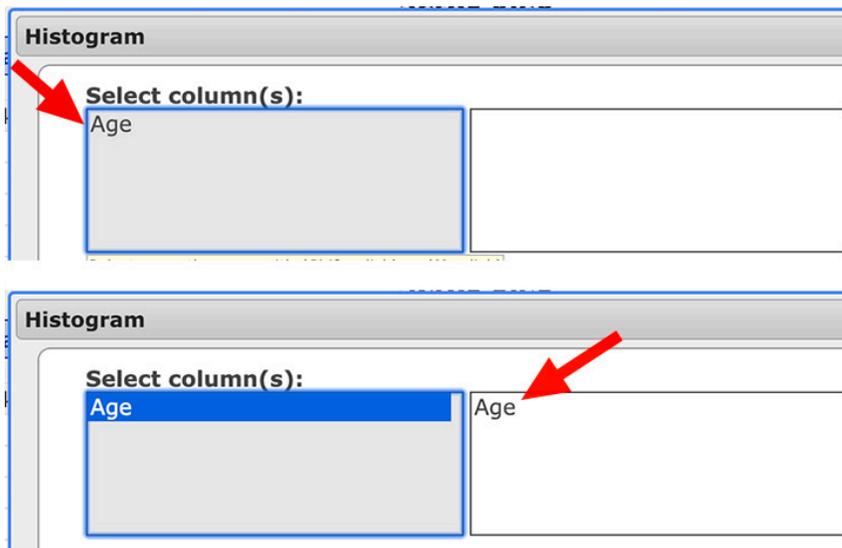


3) To create a histogram for the actor's ages when they won the Oscar:

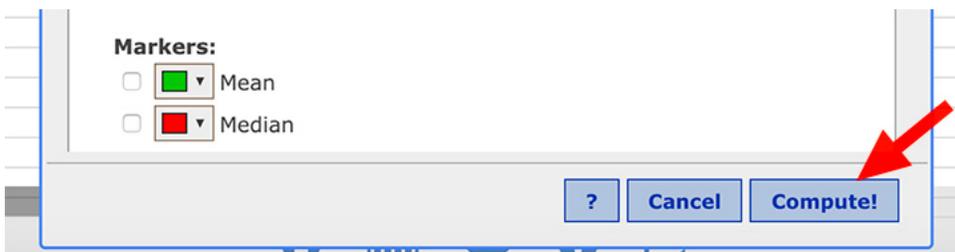
a) Select **Graph**→**Histogram**



b) StatCrunch uses variables in the right column to create graphs, so we need to move the variable *age* to the right column. To do this, just click on the variable *age* in the left column.

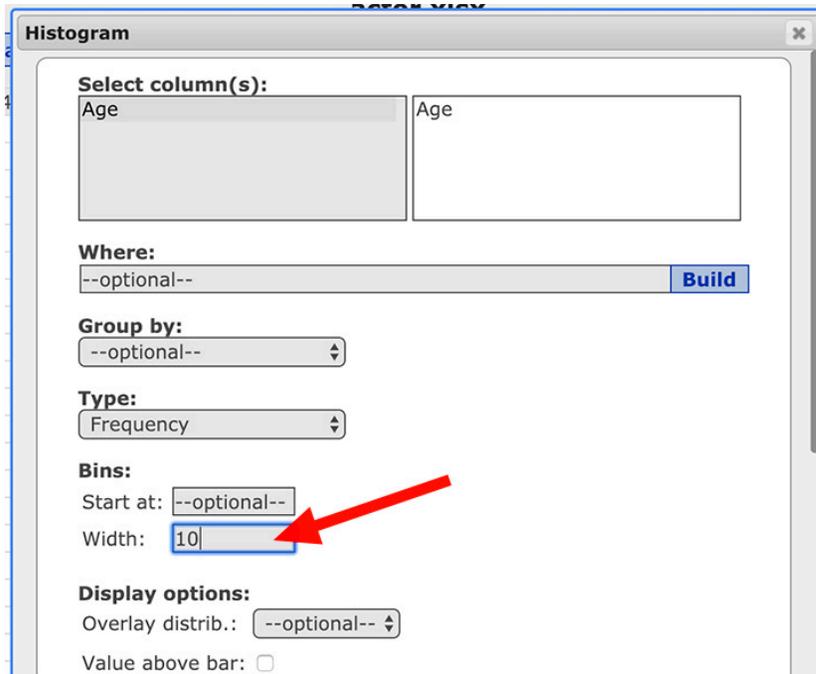


c) To create the histogram, click on the **Compute** button in the bottom right corner of the Histogram dialogue box.



But wait ... maybe you can improve the histogram by adjusting the bin width. Learn how on the next page.

- 4) To change the bin width of your histogram:
 - a) Select **Graph**→**Histogram**.
 - b) If necessary, click on the variable *age* to move it to the right column.
 - c) Enter a new width in the **Bins: Width:** textbox. Then click on **Compute** in the bottom right corner of the Histogram dialogue box.



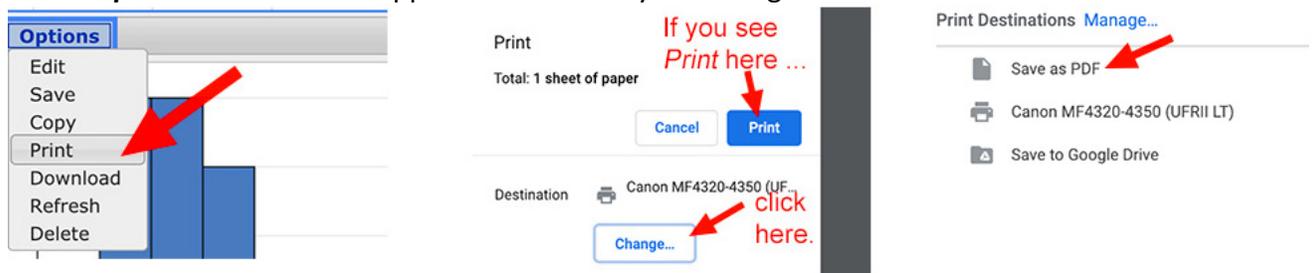
Start with a bin width of 10. Then repeat and try a bin width of 5. Repeat with other bin widths until you achieve an appropriate bin width.

- 5) When you have a histogram with a bin width that best represents the shape, center, and spread of the *age* data, you'll need to create a PDF of your histogram and then upload the PDF with your initial post to the discussion.

Below are directions on how to *print to PDF* for three different browsers. Be sure to use the directions for your browser type.

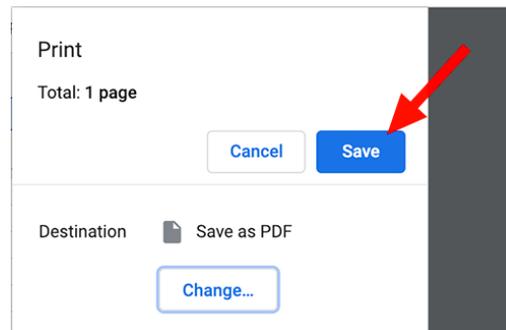
Print to PDF on **Chrome**

Select **Options**→**Print** in the upper left corner of your histogram box.

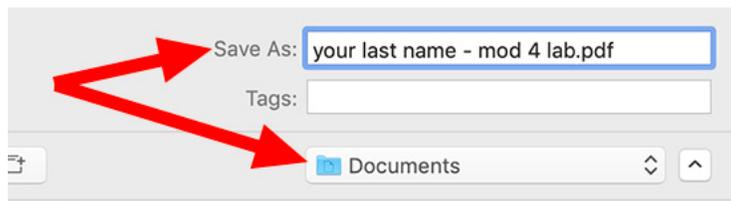


In the next screen, if you see the **Print** button (as opposed to the **Save** button), click on the **Change** button. Then select **Save as PDF**.

You should now see the **Save** button. Click on it.

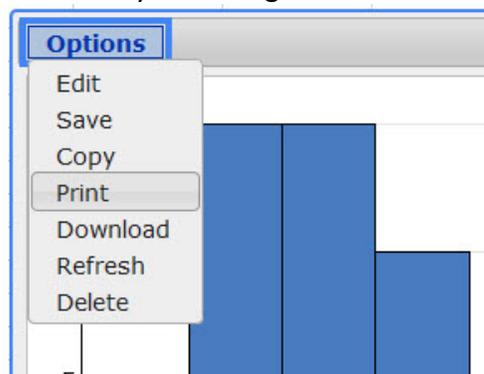


Name your PDF file with your last name followed by *mod 4 lab* (be sure to keep the extension *.pdf* at the end of the file name). Then select where you will save the file so that you can find it again.

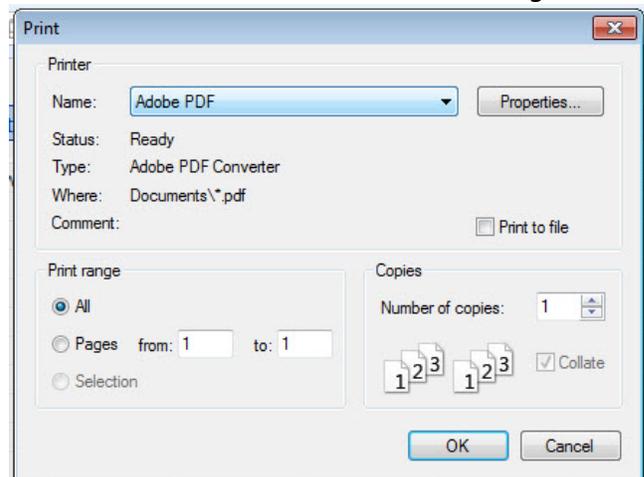


Print to PDF on **Firefox**

Select **Options**→**Print** in the upper left corner of your histogram box.



Select **Adobe PDF** in the *Name:* dropdown menu. Make sure **All** is checked in the *Print range*.

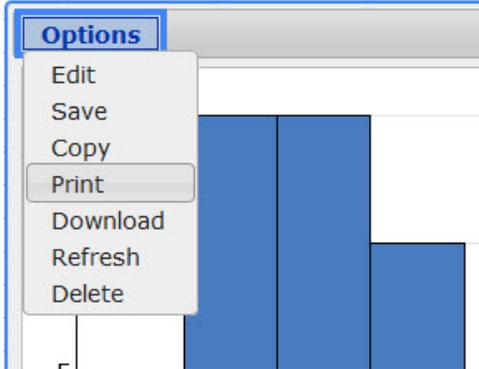


Click **OK**.

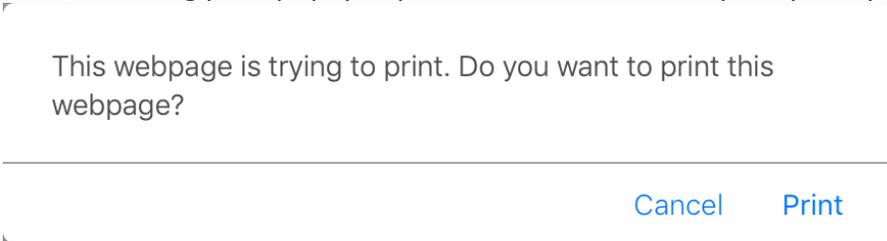
- The *Save PDF File As* window pops up.
- At the top of the window, select where you will save your file so that you can find it again.
- Near the bottom of the window in the *File name:* dialogue box, name your PDF file with your last name followed by *mod 4 lab* (be sure to keep the extension *.pdf* at the end of the file name).
- Click **Save**.

Print to PDF on Safari

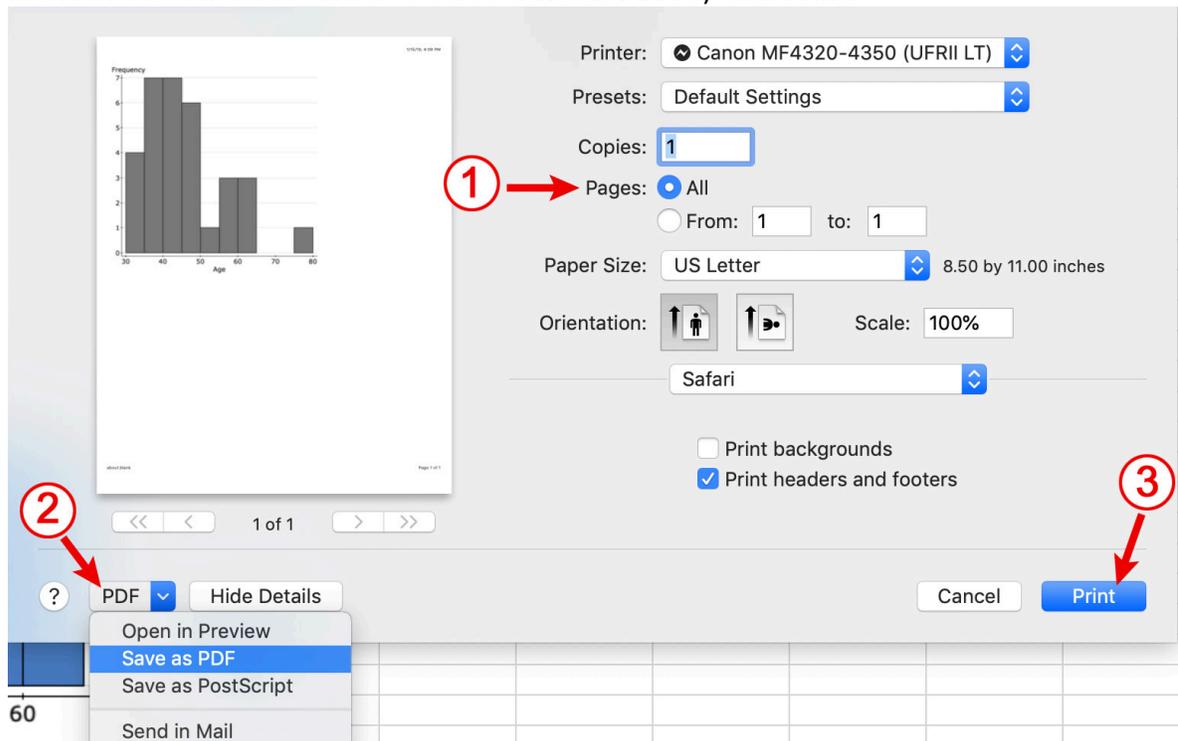
Select **Options**→**Print** in the upper left corner of your histogram box.



If the following prompt pops up, click **Print**. Note – this prompt may not pop up.



A print-options window opens. 1) For **Pages**: check the **All** radio dial. 2) Then use the pop-up menu in the lower left corner to select **Save as PDF**. 3) Click **Print**.



Continued on the next page ...

- A *Save As* window pops up.
- At the top of the window in the *Save As:* dialogue box, name your PDF file with your last name followed by *mod 4 lab*.
- Select where you will save your file so that you can find it again.
- Click **Save**.