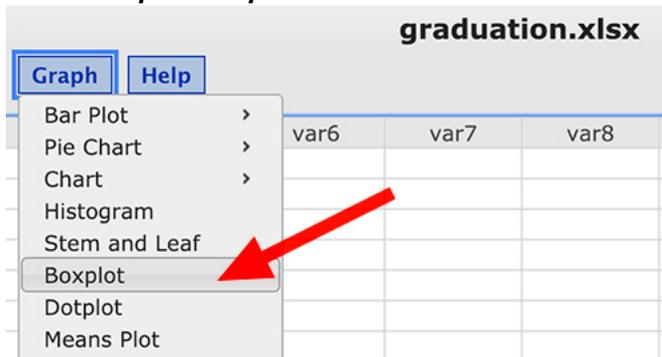


## StatCrunch Directions: Mod 6 – Boxplot Lab

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

- 1) Go to [www.statcrunch.com](http://www.statcrunch.com) and login. Then click on **Open StatCrunch**.
- 2) Upload the *graduation* Excel data file into StatCrunch.
  - a) Select **Data→Load→From file→on my computer**
  - b) Locate the *graduation* data file on your computer. Drag and drop the file into StatCrunch.
  - c) Scroll to the bottom of the page and click the **Load File** button.
- 3) Here's how to create side-by-side boxplots and descriptive statistics (summary statistics) for each college in the data file.
  - a) Select **Graph→Boxplot**



- b) In the *Boxplot* dialogue box:  
click on the variable *%\_grad\_on\_time* in the left column to move it to the right column,  
click on the **Group by:** pop-up menu and select the variable *College*,  
click on the **Grouping options:** pop-up menu and select *Plot groups for each column*,  
check **Use fences to identify outliers**, and  
click the **Compute** button.
- 4) Create a PDF copy of your side-by-side boxplots.
  - a) Select **Options→Print** in the upper left corner of your Summary Statistics box.
  - b) 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**.
  - c) Click on the **Save** button.
  - d) Name your PDF file with your last name followed by *mod 6 lab 2* (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.

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5) Create the descriptive statistics for each college.

a) Select **Stat**→**Summary Stats**→**Columns**

b) In the *Summary Stats* window click on the variable *%\_grad\_on\_time* to move it to the right column.

c) Group by *College*

d) Press **Compute**

No need to create a PDF of your descriptive statistics (summary stats). You will only upload the side-by-side boxplots. However, you will need the descriptive statistics to write your responses to the discussion prompt.