PSYC 402: Psychological Testing
Hints & Tips for using Prism for the Project Assignment

Every project paper should basically have the same set of analyses:

Analysis Outline:

Question 1: descriptive statistics and one histogram (frequency distribution) graph. (Figure 1)

Question 2: descriptive statistics and one histogram (frequency distribution) graph. (Figure 2)

Reliability : Linear regression of Q1 vs Q2 (Figure 3)

Q (the combined question) : simply add Q1 and Q2 scores together - if necessary, reverse-score Q1 or Q2 first. There is no graph or figure for this step.

Convergent Validity: a linear regression of Q vs _____ with a Scatterplot graph (Figure 4)

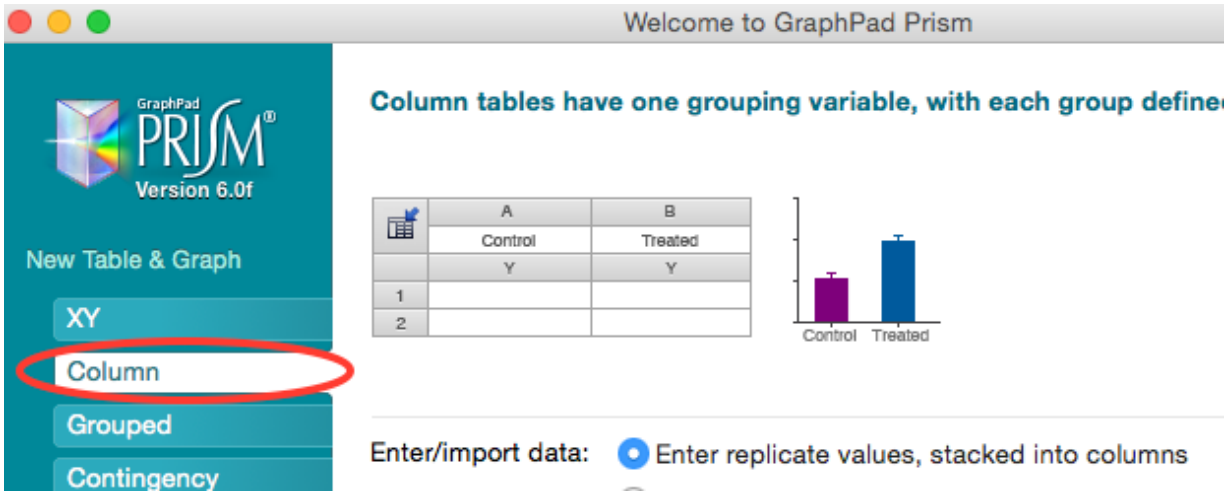
Divergent Validity: a linear regression of Q vs _____ with a Scatterplot graph (Figure 5)

Prism: General Hints

For each analysis, create a new Data Table and change the name from "Data 1" to something more sensible such as "Question1" or "Reliability" etc. If you don't do this then all your graphs will be named with confusing titles such as "Data 1".

Performing a Histogram in Prism:

Create a new Data Table of Column type:



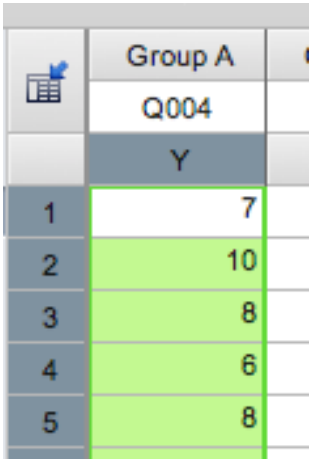
Rename your data table:

Before: 

After: 

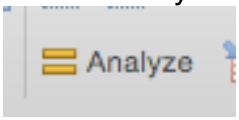
From the Excel (XLS) data file, paste in your question. Refer to the **Survey Question Key** to figure out which questions are yours.

Hint: for this type of analysis, only use a single column at a time.

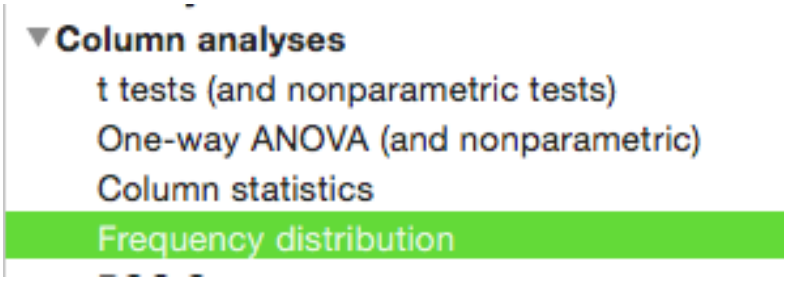


	Group A
	Q004
	Y
1	7
2	10
3	8
4	6
5	8

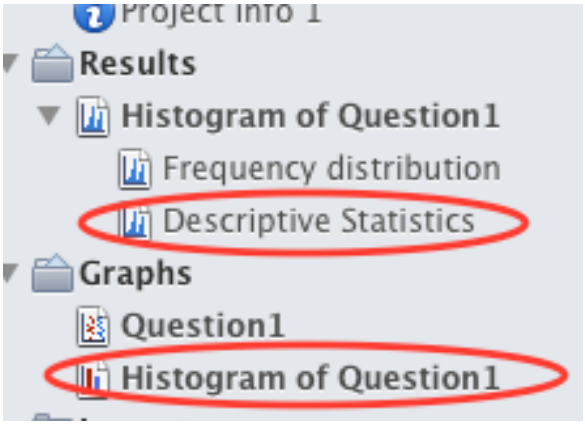
Now, run the analysis. Click the Analyze button:



Choose Column Analyses / Frequency Distribution:



You will end up with two new results and two graphs. Pay attention to the **Descriptive Statistics** and the **Histogram**:

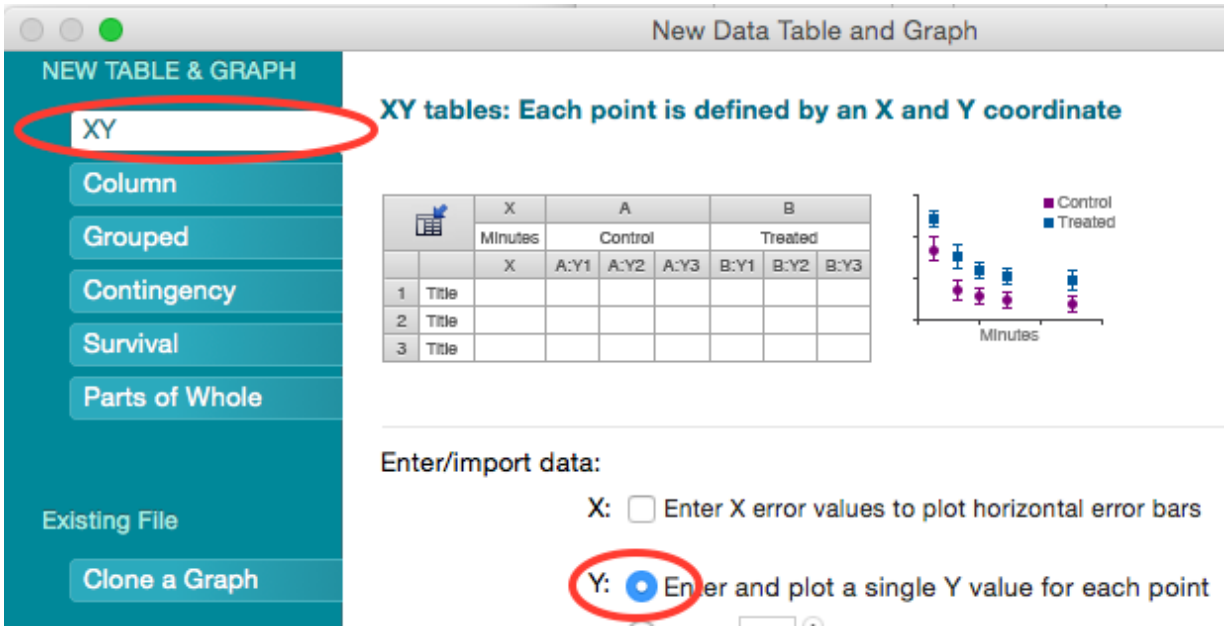


Use the Descriptive statistics to write your results section (refer back to page 3 and 4 of the notes we went over on Thursday (on the website, called **APA Style Guide**)

Repeat this process for your 2nd question, making a second Histogram.

Performing a Linear Regression in Prism:

Create a new **Data Table** of **XY type**.
Be sure to click "Enter and plot a single Y value…" as shown:

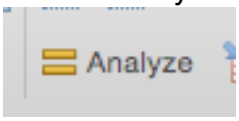


Rename your **Data Table** to match the analysis, e.g. the first one will be **Reliability**:

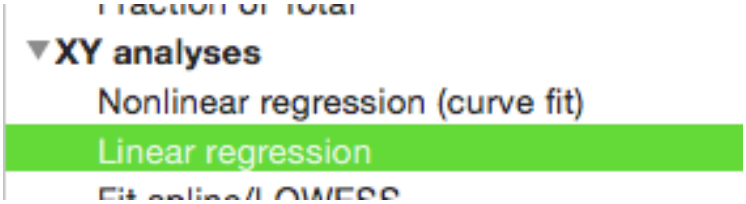
From the Excel (XLS) data file, paste in your two questions.

Hint: for this type of analysis, you need both of your questions. One in the X column, the other in the Y column.

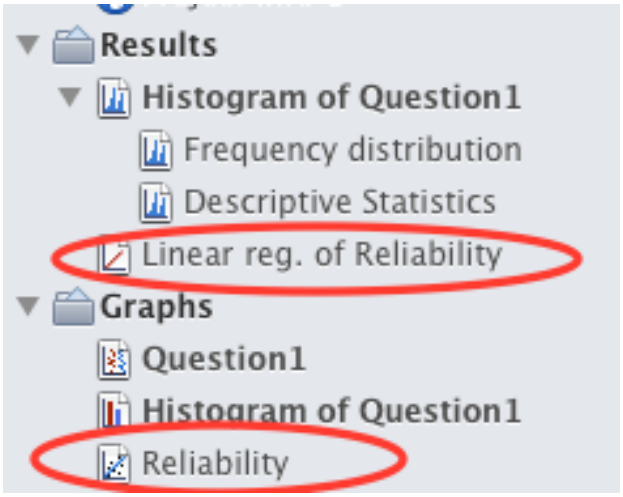
Now, run the analysis. Click the **Analyze** button:



Choose **XY Analyses** / **Linear Regression**



You will end up with one new **Result** and one new **Graph**. Pay attention to these:



Use the Descriptive statistics to write your results section (refer back to page 3 and 4 of the notes we went over on Thursday (on the website, called **APA Style Guide**) Repeat these steps for the other analyses.