

PSY 3010 Assignment #1

Polygon & bar graph of means

For this part of the assignment, you will graph the mean neuroticism score for male and female true bloods and muggle borns. I want you to come up with your own values for the means (anything between 50 and 90) then graph them as a polygon (line graph) and a bar graph. Note that you will graph 4 means (2 sex x 2 wizard type). Make sure you choose values that are clearly different from each other. For example, 40 and 50, not 40 and 41. Into a single Word document, copy and paste both graphs together on one page. **Make sure that we can click on text and numbers to verify font type and size.** If you are not sure how to do this, meet with Lynn or the TA *at least* one day before this assignment is due.

For the polygon: Put sex (male, female) as different colored lines, and the wizard type (true blood, muggle born) on the x-axis. The dependent variable (mean neuroticism score) will be on the y-axis.

For the bar graph: Put sex (male, female) as different colored bars, and the wizard type (true blood, muggle born) on the x-axis. The dependent variable (mean neuroticism score) will be on the y-axis.

For both graphs: Make sure to have a legend that shows how to tell which bar or line represents male vs. female. The legend should be located within the plot area, in a place where you don't have to cram it in. Each axis needs to have a title. Make sure the y-axis title is not too close to the y-axis. Do not use grid lines. ALL text and numbers must be either Arial or Calibri font. Use 14-point font for text and 12-point font for numbers.

Your grade on the graphs will be based in the extent to which you have adhered to the instructions above, as well as the clarity and the aesthetics of the graphs.

Table of the SAME means as the graphs

In a separate document, represent the **exact same data** in table format (note that you will have just one table). Your table must be formatted exactly as in the example below. Note: use either 12-point Times New Roman, 11-point Calibri, or 11-point Arial font. Use the same font type and size throughout.

Your grade on the table will be based in the extent to which you have adhered to the instructions above, as well as the clarity and the aesthetics of the table.

Submitting to Canvas: once you have the assignment finished, upload the .docx to Canvas. **Never upload a google doc (or anything "google") to Canvas!** Google files and Canvas don't get along. Be sure to submit this assignment to the class and not to the lab!

This is NOT a group project. Please turn in work that is truly your own.

SAVE YOUR WORK! YOU WILL BE ADDING TO IT FOR ASSIGNMENT 3

<https://apastyle.apa.org/style-grammar-guidelines/tables-figures>

Examples of APA formatted graphs (figures)

Figure 1

Mean Wizardry IQ Before and After Year One at Hogwarts

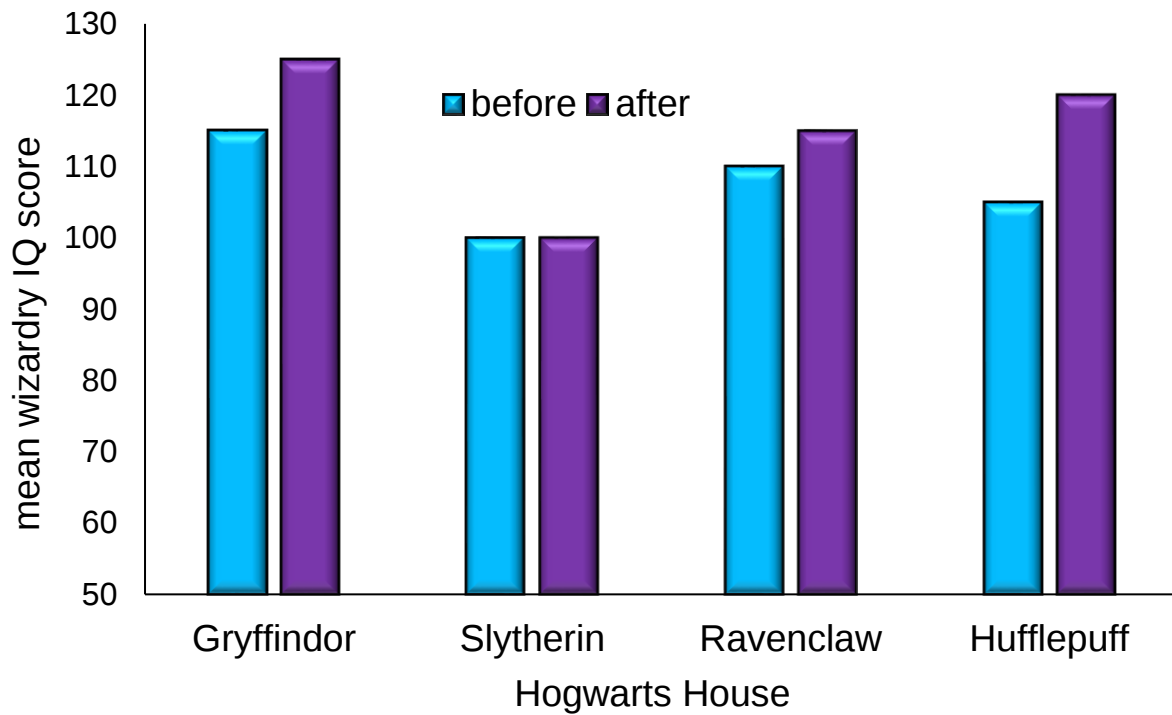
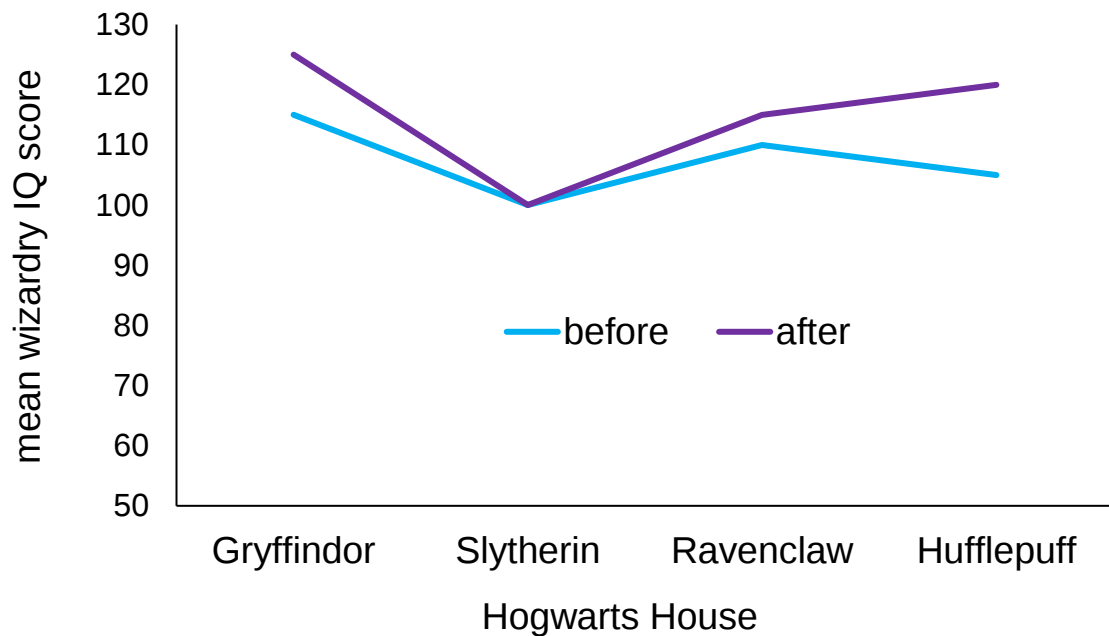


Figure 2

Mean Wizardry IQ Before and After Year One at Hogwarts



Example of an APA formatted table

Table 1

Mean Wizardry IQ Before and After Year One at Hogwarts

	Gryffindor	Slytherin	Ravenclaw	Hufflepuff
Before	115	100	110	105
After	125	100	115	120

Keys to Success

start early

read all instructions

ask questions

see grading rubric

