

Dataset: Rat Open Field Project

Script: RatOpenField\_v2

Assignment: Modify the “RatOpenField\_v2” script to run on your computer. This script will import data from each experimental condition (saline, alcohol and heroin).

Don’t forget to update the “version history” portion of the title sequence as you make changes to the script.

### **Part A: Debugging portion of the assignment**

I have added 2 errors between lines 28 and 51 that will crash the script so that you can get some debugging practice.

Find and fix the errors, then move on to part B of the assignment.

### **Part B: Stats part of the assignment**

Around line 53, add some lines of code to run an ANOVA between the saline, alcohol and heroin conditions.

Around line 67, add some lines of code to plot the data. Specifics for the bar graph:

- Green bars. One for each of the 3 conditions showing the mean in seconds.
- SEM error bars for each of the 3 conditions.
- Turn the box off.
- Add x/y labels and a title.
- Save the graph as your favorite file format.
- Some indication of if the ANOVA results were significant or not.

Send me the graph by 12.6.21.

Last assignment ever! Woooo