

Floodlight Analysis Tool v0.5 – Instructions (Updated on Nov 9, 2022)

Notes

- Check to make sure that these instructions are the most recent version by checking the instructions' webpage: <https://floodlightanalysis.com/pdf/>
- The current version of the tool only supports a $2 \times$ Continuous design.

Instructions for Using the Web App

1. Navigate to <https://floodlightanalysis.com/> and click on the Web App link.
2. The web app can take more than 10 seconds to load. Please wait until the web app loads.
3. Once the web app loaded, upload your data set by clicking “Browse” (see #3 in the image below).
4. Ensure (a) that your data set is in a .CSV file and (b) that the three focal variables (**the IV, DV, and moderator in three columns**) contain only numeric values (not character strings!).
5. After uploading the data set, you will see the dropdown menus for choosing the IV, DV, and Moderator for the analysis. Choose the variables you want (see #5 in the image below).
6. Click “Plot it” (see #6 in the image below).
7. Make adjustments to the plot as needed (see #7 in the image below).

Floodlight Analysis Tool by Jin Kim (2020), v0.5

This tool has not been tested thoroughly. Please read Spiller et al. (2013) and use at your own risk.
This tool is created based on Spiller et al. (2013); Johnson & Neyman (1936); Preacher et al. (2006); Aiken & West (1991); Rogosa (1980, 1981); Long (2020); Wickens et al. (2020); Chang et al. (2020)

Choose a CSV file: 3
Browse...
Upload complete

Rows to display when viewing data:
☒ First 5 ☐ All View data

Choose a plot type:
☒ Regression Lines ☐ Estimated Simple Effects

Choose the Dependent Variable: 5
iv

Choose the Independent Variable: 5
iv

Choose the Moderating Variable: 5
iv

Enter labels for IV separated by a comma:

Y Axis Title:
iv

Legend Title:
iv

X Axis Title:
iv

Plot width (px): 7
1100

Jitter dots horizontally by ___% of the range:
1

Transparency of dots (0% - 100%):
0 10 20 30 40 50 60 70 80 90 100

Plot height (px):
600

Jitter dots vertically by ___% of the range:
1

Size of dots:
4

Choose position of legend:
right

Choose types of regression lines:
solid dashed

Tick marks for X axis (Enter numbers separated by commas, e.g., "1,5,9"):

Choose line types for JN points:
solid

Tick marks for Y axis (Enter numbers separated by commas, e.g., "1,5,9"):

Color for significant area:
green

Color for nonsignificant area:
pink

Transparency of significant area color (0% - 100%):
0 10 20 30 40 50 60 70 80 90 100

Transparency of nonsignificant area color (0% - 100%):
0 10 20 30 40 50 60 70 80 90 100

6 Plot it