Prosem 2020: Project 2: Scaling

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Scaling from Similarity and from Preferences

In this project you will test yourself in a color comparison experiment using PsychoPy. The stimuli are 12 square stimuli of different colors. You will compare all possible pairs shown one pair at a time. In one block of the experiment, you are asked to judge how dissimilar the two colors are, using a scale from 1 (very similar) to 9 (very dissimilar). In the other block you will be asked to choose the color in the pair that you prefer.

1. Download the Project 2 Folder

2. Install PsychoPy on your computer if you don't have it: https://www.psychopy.org/download.html . There are standalone versions for Macs, Windows and Linux computers.

3. Run the experiment by double-clicking on the `ColorDissPrefScalingExp.psyexp` file. It will launch PsychoPy. Sometimes if nothing happens when you double-click or if PsychoPy shows up in the menu bar but the experiment has not started, try clicking on the desktop. The newest version of PsychoPy has some teething problems, especially on the Mac. Seek my help!

4. After the experiment has finished, the `data` folder will contain a time-stamped .csv file. If you ran some practice trials or started the program several times, there may be more than one .csv file. The newest one should be the one you want.

5. Upload your .csv data file to the Project 2 assignment in Canvas. I will anonymize the files and make them available as a group for further data analysis.

6. Open the report folder and put a copy of your csv data file in the additional files folder so the script will be able to find it.

7. Put the name of your data file into the script (it's marked in comments in one of the early code chunks) and run the script to see a scaling solution computed from your data.

Have Fun

Send me email or come to office hours via Zoom if you want advice.

References