**To\_do\_list**

List of plots to replicate

**Figure 3 (page 9) Choice probability as a function of Delta V**

x-axis: total difference between left and right options, trials are binned across values spaced 20 points away from each other (so all the trials with difference between 10 and 30 points are binned as 20, and so on)

y-axis: probability of choosing the option on the left (average of the number of times observed in the trials in the bin), and standard errors

MATLAB CODE: the plot is created in lines 213-280, but note that the data were previously cleaned (lines 139-150) to calculate the difference in values for each trial

**Figure 4A (page 10) Choice probability after controlling for dominating local winner**

SAME AS FIGURE 3 but data are separated into 3 groups

* Left and Right win 3 times each in the local comparison (not displayed)
* Left wins more than 3 times (blue)
* Right wins more than 3 times (red)

MATLAB CODE: the plot is created in lines 290-340

**Figure 4B (page 10) Choice probability (only trials without dominating local winner) after controlling for similarity**

SAME AS FIGURE 3 but data are separated as follows:

1. Out of the 3 groups defined for figure 4A, keep only the ones not displayed before
2. Now divide the trials into two sub-groups, displayed as red or blue, based on the sum of ABSOLUTE VALUES of differences across frames

MATLAB CODE: the plot is created in lines 345-407