**SCRIPTS USED FOR ANALYSES**

***BORIS dataset analysis:***

**makeNeuronalKSD\_BORIS(\_rect).m** - make the KSDs used to direct subsampling of disparities in BORIS dataset. File with \_rect suffix only generates the windowed MT KSD that only includes cells found within the most extreme of the V1/V2 RF coordinates.

**getDispStats\_KSD\_BORIS(\_rect).m** - used to generate the disparity probability distributions for from the BORIS dataset given a KSD and either the real dataset or a bootstrapped version

**BORISbootstrap(\_rect).m** - Collect individual bootstrap runs generated by cluster into a single structure & save as a .mat file (dispHistStruct.mat)

**KSDplots.m** - Plot KSDs used for analysis

**dispDistsPlots.m** - Load concatenated disparity stats + bootstraps from V1/V2/MT/Circ KSDs and plot

***McCann dataset analysis:***

**genDispImg.m** - converts x/y/z mats from laser ranging into disparity image maps with a kinda naive method that doesn’t completely capture occlusions, etc.

**SCRIPT OUTPUT FOLDERS**

**./imageStatsPlots\_BORISdataset/** - images of the disparity probability distributions output from dispDistsPlots

**./savedImageStats\_BORISdataset/** - .mat files of the probability distributions output from BORISbootstrap.m & getDispStats\_KSD\_BORIS

**./savedKSDmatFiles\_BORISdataset/** - .mat files of the 2D KSDs from V1/V2/MT/10 deg Ecc from makeNeuronalKSD\_BORIS(\_rect).m

**./KSDplots\_BORISdataset/** - images of the KSDs generated by makeNeuronalKSD\_BORIS(\_rect).m

**OTHER**

**./figureGroundAnalysis/** - scripts used to compare disparity probability distributions across figure-ground borders based on a homebrew algorithm that samples points a bit out from the borders drawn by subjects since they can be a bit sloppy.

**./clusterScripts/** - batch scripts used on berkeley HPC to run the BORIS bootstrapping