Notes on ephys code

Whole trial FR analysis 4/27/20

-for the ave FR as well as inc/dec/nodelta calculations, I’m going to want to calculate the ave FR, fx ‘FRanalysis\_helperfx\_V1’. This fx loads in data structs generated by fx ‘spiketrainexaction\_AnalysisStruct\_V2’ and the helper fx it calls ‘raster\_io\_spikeextraction\_V2’; note that ‘raster\_io\_spikeextraction\_V2’ needs ‘epochInfo’ input which is set up top in the ‘spiketrainexaction\_AnalysisStruct\_V2’.

Burst struct creation analysis 4/26/20

-adapted fx ‘spiketrainexaction\_AnalysisStruct\_V1’ from AT\_CellSumm\_SG\_IS\_io\_V4; purpose is to generate a struct that contains cell arrays w/ spike times in seconds for each trial. We’re looking to do this for the whole trial duration. Wrote raster\_io\_spikeextraction\_V1

, adapted from raster code to aid in this. Note the last few lines of code where things get saved out

-above works well, just be aware that for case1, spike3, clust2 the spiketimes seem a little weird because I’ve concat two clusters together.