Variable Names:

1. firingRates:

df/f values;

Dimensions: Number of neurons X Number of odorants X Number of concentration points X time points X Number of Repeats

1. firingRatesAverage:

firingRates averaged over the number of repeats.

Dimensions: Number of neurons X Number of odorants X Number of concentration points X time points

1. time:

time in seconds corresponding to each time point. Time bin = 20 ms.

Odor on from timepoints – 100 to 500 i.e., for 4 seconds.

Legends:

MC = MitralCells; TC = Tufted Cells

pre\_muscimol: control before muscimol was added

muscimol: trials after muscimol was added

Code:

Generalization to novel concentrations: *SVM\_OdorGeneralizer.m*

Odor Identity and concentration calling: *SVM\_IdentityAndConcentrationCalling.m*

Concentration invariant odor recognition: *SVM\_ConcInvariantOdorRecognition.m*