## Self-Referential Processing in Neuronal Populations of Ventromedial and Orbitofrontal Cortex

```
% -*- UFT -*-
% Author: behira
% behzadiravani@gmail.com
% loading the data
clc
clear
data = readtable('data\stimlock.tsv', FileType='text'); % reading that tabular data
```

## **Subject and Experimental Condition**

```
% create report object
report = stat_report(data, 'data\BHV.json', 'data\FrontalEcogvsSeeg.json'); % stat_report
% print some info
Uniq_id = report.report("num_indiv");
```

The total number of pt is: 22

```
report.report("number_total_elec"); % statistical summary of number of electrodes
```

```
The total number of elec is: 253, in total patients 22 mean (std) # elec: 11.50(10.60), range = [1,38]
```

## **Behavioral Data**

```
EP true RT replied with true: mean (std): 3.67 (1.40), range = [1.35,6.48] EP false RT replied with true: mean (std): 3.62 (1.40), range = [1.38,6.45] SJ true RT replied with true: mean (std): 3.06 (1.33), range = [0.96,5.49] SJ false RT replied with true: mean (std): 3.56 (1.27), range = [1.16,5.86]
```

```
MTH true RT replied with true: mean (std): 4.65 (1.84), range = [1.22,8.32]

MTH false RT replied with true: mean (std): 5.37 (2.04), range = [1.34,9.47]

ans = struct with fields:
    true: {[3.6700 1.4000 1.3500 6.4800] [3.0600 1.3300 0.9600 5.4900] [4.6500 1.8400 1.2200 8.3200]}
    false: {[3.6200 1.4000 1.3800 6.4500] [3.5600 1.2700 1.1600 5.8600] [5.3700 2.0400 1.3400 9.4700]}

report.report("veridicality") % statistical summary of response veridicality.

EP true veridicality replied with true: mean (std): 0.47 (0.15), range = [0.24,0.82]

EP false veridicality replied with true: mean (std): 0.70 (0.21), range = [0.11,0.96]

MTH true veridicality replied with true: mean (std): 0.87 (0.11), range = [0.60,1.00]

MTH false veridicality replied with true: mean (std): 0.79 (0.20), range = [0.29,1.00]

ans = struct with fields:
    true: {[0.4700 0.1500 0.2400 0.8200] [0.8700 0.1100 0.6000 1]}
    false: {[0.7000 0.2100 0.1100 0.9600] [0.7900 0.2000 0.2900 1]}
```

report.report("ECoGSEEG") % statisitcal summary of number of ECoG and SEEG electrodes as well a

ECOG = 13 +/- 11, [2, 38] OFC = 0.76 +/- 0.33 MPFC = 0.24 +/- 0.33 SEEG = 6 +/- 6, [1, 13] OFC = 0.50 +/- 0.58 MPFC = 0.50 +/- 0.58