Table of Contents

Load data files

```
Number clusters = 163
```

Process each cluster

Save data

Barplot with mean and sem

PSTH overlay

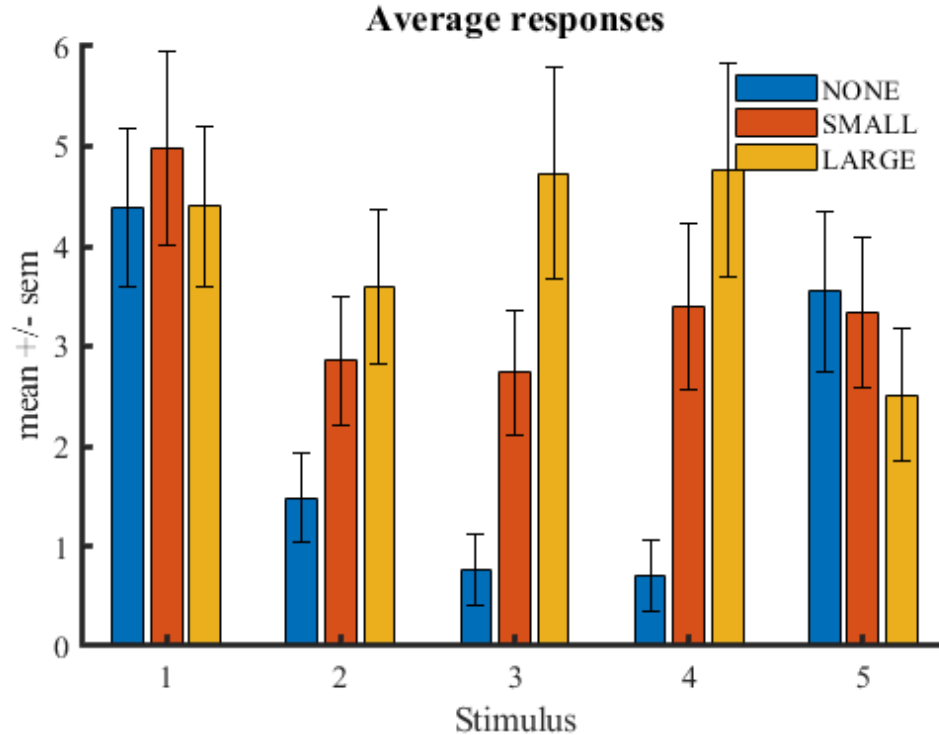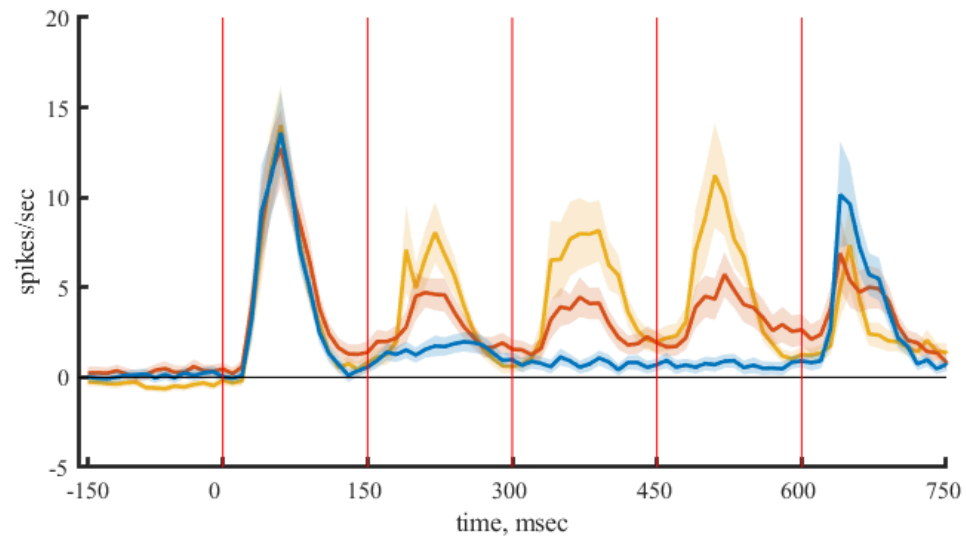# Statistical analysis

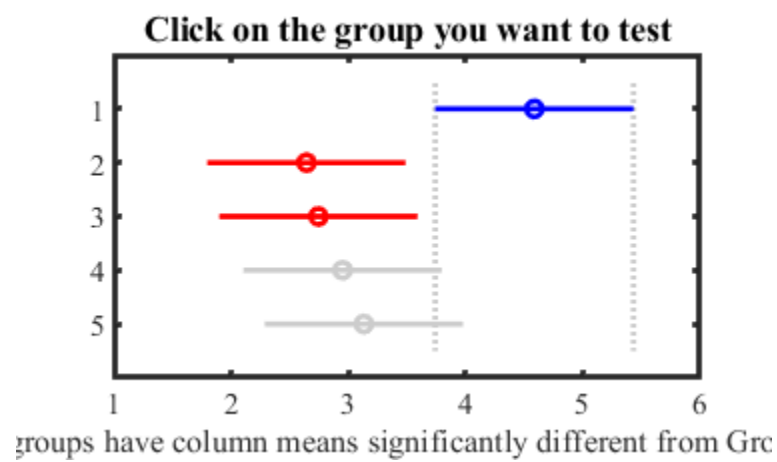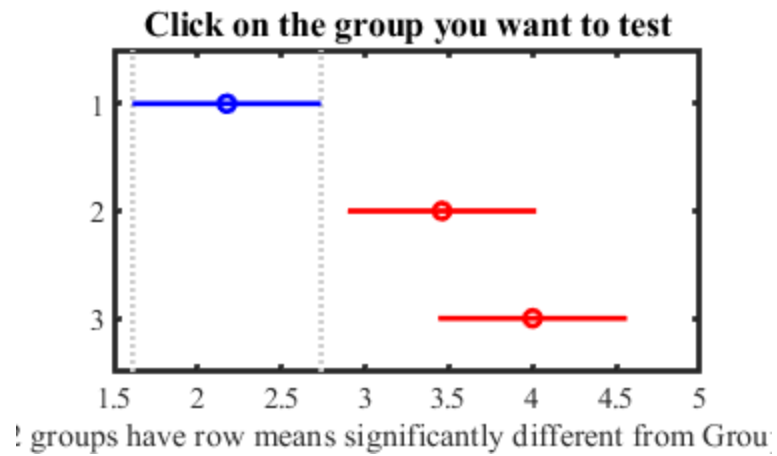# 2-way ANOVA for responsive MUs

```
    'Source'          'SS'          'df'         'MS'          'F'
'Prob>F'
    'Columns'        [729.73]     [    4]       [182.43]     [3.2596]
[0.011332]
    'Rows'           [853.76]     [    2]       [426.88]     [7.6271]
[0.000507]
    'Interaction'    [1042.9]     [    8]       [130.37]     [2.3293]
[ 0.01744]
    'Error'          [ 80595]     [1440]        [55.968]          []
    []
    'Total'          [ 83221]     [1454]             []          []
    []
Note: Your model includes an interaction term that is significant at
  the level
you specified. Testing main effects under these conditions is
  questionable.
Note: Your model includes an interaction term that is significant at
  the level
you specified. Testing main effects under these conditions is
  questionable.
```

Click on the group you want to test

groups have row means significantly different from Grou

Click on the group you want to test

groups have column means significantly different from Gro

Published with MATLAB® R2018a