Bash Profile:

# added by Anaconda2 2019.07 installer

# >>> conda init >>>

# !! Contents within this block are managed by 'conda init' !!

\_\_conda\_setup="$(CONDA\_REPORT\_ERRORS=false '/Users/omerashmaig/anaconda2/bin/conda' shell.bash hook 2> /dev/null)"

if [ $? -eq 0 ]; then

 \eval "$\_\_conda\_setup"

else

 if [ -f "/Users/omerashmaig/anaconda2/etc/profile.d/conda.sh" ]; then

 . "/Users/omerashmaig/anaconda2/etc/profile.d/conda.sh"

 CONDA\_CHANGEPS1=false conda activate base

 else

 \export PATH="/Users/omerashmaig/anaconda2/bin:$PATH"

 fi

fi

unset \_\_conda\_setup

# <<< conda init <<<

export PATH=$PATH:/Users/omerashmaig/anaconda2/envs/spikesorting/exp/combinato

export PYTHONPATH=$PYTHONPATH:/Users/omerashmaig/anaconda2/envs/spikesorting/exp/combinato

(base) Omers-MBP:Desktop omerashmaig$ css-extract --files Micro1.ncs

Micro1

Read Micro1 0 10000

Timestep mismatch in Micro1.ncs between records 0 and 10000: 0.1 ms

Read Micro1 10000 20000

Timestep mismatch in Micro1.ncs between records 10000 and 20000: 0.1 ms

Read Micro1 20000 30000

Timestep mismatch in Micro1.ncs between records 20000 and 30000: 0.1 ms

Read Micro1 30000 40000

Timestep mismatch in Micro1.ncs between records 30000 and 40000: 0.1 ms

Read Micro1 40000 50000

Timestep mismatch in Micro1.ncs between records 40000 and 50000: 0.1 ms

Read Micro1 50000 60000

3000

Shortening maxima list from 3476 to 3476

Timestep mismatch in Micro1.ncs between records 50000 and 60000: 0.1 ms

Read Micro1 60000 70000

4029

Shortening maxima list from 4330 to 4330

Timestep mismatch in Micro1.ncs between records 60000 and 70000: 0.1 ms

Read Micro1 70000 80000

301

Shortening maxima list from 552 to 552

Timestep mismatch in Micro1.ncs between records 70000 and 80000: 0.1 ms

Read Micro1 80000 90000

Timestep mismatch in Micro1.ncs between records 80000 and 90000: 0.1 ms

303

Shortening maxima list from 540 to 540

4624

Shortening maxima list from 4896 to 4896

Read Micro1 90000 109570

2991

Shortening maxima list from 3395 to 3395

Job name: Micro1 pending jobs: [2] jnow: 2

Timestep mismatch in Micro1.ncs between records 90000 and 109570: 0.1 ms

4033

Shortening maxima list from 4288 to 4288

1888

Shortening maxima list from 2100 to 2100

Job name: Micro1 pending jobs: [0, 2] jnow: 0

Initialized Micro1/data\_Micro1.h5

saving Micro1, count 0

4853

Shortening maxima list from 5965 to 5965

Read exited

Work exited

Job name: Micro1 pending jobs: [1, 2] jnow: 1

saving Micro1, count 1

saving Micro1, count 2

1910

Shortening maxima list from 2093 to 2093

7891

Shortening maxima list from 9010 to 9010

4621

Shortening maxima list from 4849 to 4849

Work exited

Job name: Micro1 pending jobs: [4] jnow: 4

14538

Shortening maxima list from 14906 to 14906

Work exited

Job name: Micro1 pending jobs: [3, 4] jnow: 3

saving Micro1, count 3

saving Micro1, count 4

4899

Shortening maxima list from 5857 to 5857

39246

Shortening maxima list from 47444 to 47444

Work exited

Job name: Micro1 pending jobs: [5] jnow: 5

saving Micro1, count 5

7959

Shortening maxima list from 8910 to 8910

Work exited

Job name: Micro1 pending jobs: [6] jnow: 6

saving Micro1, count 6

13990

Shortening maxima list from 14467 to 14467

80940

Shortening maxima list from 91193 to 91193

Work exited

Job name: Micro1 pending jobs: [8] jnow: 8

39662

Shortening maxima list from 47705 to 47705

Work exited

Job name: Micro1 pending jobs: [8, 7] jnow: 7

saving Micro1, count 7

saving Micro1, count 8

82095

Shortening maxima list from 91926 to 91926

Work exited

Job name: Micro1 pending jobs: [9] jnow: 9

saving Micro1, count 9

Save exited

(base) Omers-MBP:Desktop omerashmaig$ css-mask-artifacts --datafile Micro1/data\_Micro1.h5

Not using concurrent spike detection

Starting Micro1/data\_Micro1.h5

looping over 540 edges

looping over 540 edges

high\_firing: detected 179020 pos spikes, masked 179020 in mode "first"

Total: 179020

amplitude: detected 0 pos spikes, masked 0 in mode "first"

Total: 179020

133503 dist < 1.5

double: detected 102318 pos spikes, masked 1516 in mode "first"

Total: 180536

looping over 541 edges

looping over 540 edges

high\_firing: detected 179226 neg spikes, masked 179226 in mode "first"

Total: 179226

amplitude: detected 0 neg spikes, masked 0 in mode "first"

Total: 179226

134589 dist < 1.5

double: detected 103965 neg spikes, masked 1753 in mode "first"

Total: 180979

(base) Omers-MBP:Desktop omerashmaig$ css-plot-rawsignal

Plotting took 0 seconds

(base) Omers-MBP:Desktop omerashmaig$ css-simple-clustering --datafile Micro1/data\_Micro1.h5

running ['Micro1/data\_Micro1.h5'] pos index 0 None 20000 simple no replace

Opened Micro1/data\_Micro1.h5

Adjusting stop to have some spikes

Starting clustering

Clustering data in Micro1/sort\_pos\_simple\_0000000\_0183871/sort\_0

Calculating distances

Creating classes

Creating matches

Creating artifact\_scores

Unsorted session, not loading sorting data

Starting read from Micro1/data\_Micro1.h5

Working on Micro1/sort\_pos\_simple\_0000000\_0183871/sorting.h5

Read 3336 spikes from sort\_pos\_simple\_0000000\_0183871

Writing index

Writing classes

Writing groups

Writing matches

Writing distance

Storing original artifacts, will be re-checked

classes: (3336,), all\_spikes: (3336, 64)

Calculating match for 1480 spikes

Calculating distances

all\_dists: (1480, 8)

Plotting 1/9, Micro1/sort\_pos\_simple, 200 spikes

Plotting 2/9, Micro1/sort\_pos\_simple, 1770 spikes

Plotting 3/9, Micro1/sort\_pos\_simple, 286 spikes

Plotting 4/9, Micro1/sort\_pos\_simple, 32 spikes

Plotting 5/9, Micro1/sort\_pos\_simple, 306 spikes

Plotting 6/9, Micro1/sort\_pos\_simple, 231 spikes

Plotting 7/9, Micro1/sort\_pos\_simple, 16 spikes

Plotting 8/9, Micro1/sort\_pos\_simple, 266 spikes

Plotting 9/9, Micro1/sort\_pos\_simple, 229 spikes

Micro1/sort\_pos\_simple/sort\_cat.h5 [[0 0]

 [1 0]

 [2 0]

 [3 1]

 [4 0]

 [5 0]

 [6 1]

 [7 1]

 [8 0]]

Read 3336 spikes

Classes: [0 1 2 4 5 8]

Updating grouping

Creating original grouping

Creating types

Storing original types