Neuromatch Academy Pod_031

Day 1 - Cheat-sheets and Pre-prep material (Celadon-Agoutis!)

What models!

EXERCISE #1

np.median(array) - computes median of the data (middle number)

np.axvline - draws a line at the specified point.

How models!

EXERCISE #3

np.diff - Calculate the n-th discrete difference along the given axis. The first difference is given by out[i] = a[i+1] - a[i] along the given axis, higher differences are calculated by using diff recursively.

Why models!

OPTIONAL ADDITIONAL READING MATERIAL

https://www.cns.nyu.edu/~eorhan/notes/lif-neuron.pdf

More about Shannon's entropy system:

http://www.hms.harvard.edu/bss/neuro/bornlab/nb204/statistics/reinagel-infotheory-currbiol2000.pdf

Study information in single spikes

https://courses.cs.washington.edu/courses/cse528/13sp/lecture-slides/Lecture6.pdf