

Introduction to Computational Neuroscience

Practice IV: Data Analysis - Decoding

Ilya Kuzovkin, Raul Vicente

January 27, 2014

Exercise 1: Questionnaire (0.5pt)

Q₁ : Compute entropy ...

Q₂ : Nyquist theorem ...

Exercise 2: Theory (0.5pt)

...

Exercise 3: fMRI (1.5pt)

Identify image by brain responses.

<https://crcns.org/data-sets/vc/vim-1/about-vim-1>

Exercise 4*: Bonus (1pt)

...

Exercise 5: ??? (0.5pt)

Discuss something

Please submit a pdf report with answers to the questions and comments about your solutions. Also submit a code for the programming exercise(s). Pack those into zip archive and upload to the course web page.