Interactive ADELE Meeting 3

Sept. 23rd, 2021

Agenda

- Reports on deliverables
- Anaconda/Environments/Jupyter
- Data processing deliverables
- Design and development deliverables

Anaconda/Environments/Jupyter

- https://www.anaconda.com/products/individual
- Environments can keep projects separate
  - Tutorial on creating and managing environments
  - conda env list
  - Create a .yml file
    - https://onlineyamltools.com/validate-yaml
  - conda env create -f yml-file-name-here.yml
  - conda activate env-name-here
  - conda deactivate
- Jupyter-lab

Data Processing Deliverables

- Create a function for epoch detection
- Apply changePeaks_epochDetect() to biometric variable
- Plot biometric variable over time
- Overlay epoch borders from changePeaks_epochDetect() function
- Extra: implement your own epoch detection algorithm
- PCA Blog: https://towardsdatascience.com/principal-component-analysis-pca-79d228eb9d24
  - Video, code, and references are linked at the end of the blog.

Design and Development Deliverables

- Read over and implement some simple callbacks
  - Try to work with EEG data
- Big Picture: start thinking about design of epoch visualization