Interactive ADELE Meeting 4

Sept. 30th, 2021

Agenda

- Reports on deliverables
- Data processing deliverables
- Design and development deliverables

Data Processing Deliverables

- Omar: Write script to read tobii data from file. Input should be string of raw data directory and output should be pandas dataframe

- Rolando: Watch FT video and apply welch function to an EEG signal

    - Video 1: https://www.youtube.com/watch?v=spUNpyF58BY&t=1s&ab_channel=3Blue1Brown

    - Video 2: https://www.youtube.com/watch?v=r6sGWTCMz2k&t=814s&ab_channel=3Blue1Brown

    - welch function: https://docs.scipy.org/doc/scipy/reference/generated/scipy.signal.welch.html

- Uche: Plot biometric variable over time with UTC time stamps. Overlay epochs on plot

Design and Development Deliverables

- Nikhil: Implement function to create slider given epochs (in functions folder)
- Michael: look at 3d brain visuals in plotly dash and try to display 3d brain with coordinates (probably have to do some transformation),
  - box link has brain demo code, necessary files, and coordinates file:
    https://utdallas.box.com/s/8k2wckw66nis2wkzidobeszf150ets54