Meeting #3

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Deliverables

- Install:
 - MNE Library
 - dash-plotly
 - nltk and spaCy
- <u>Download Box Data</u>
- Use read_code from GitHub to get dataframes
- Make a simple Plotly dash display of graphs and anything you find interesting using the dataframes you get
- Share techniques from classes/research that can be used for ML/NLP

Outcomes

- Google Colab Document (The Demo)
 - Note: Installed jupyter-dash for Jupyter/Colab notebook compatibility
- Techniques to follow...

Demo



ML/NLP Techniques to Try

- Inference could go either way: predict most likely words given listener's biometrics, or predict how certain words will affect a listener's biometrics
 - Something like a bayesian network may be able to do both
- Different sources of biometric or speech data could vary due to differing participants, ages, time of day, etc.
 - Important to consider if the system is to be used on new data
- Other components of dashboard could include correlation between different biometrics, forecasts of biometrics over time, and level of uncertainty.