**PROBLEM STATEMENT/MOTIVATION**

Is temperature a good predictor for stress? What is a better predictor of stress?

Since laugher/amusement are generally associated with better health, what sensor modalities are predictors of amusement?

**DATA SET**

WESAD (Wearable Stress and Affect Detection) Data Set

**TOOLS**

As our primary programming language, we will use Python 3.7.x. We chose Python as our programming language for this project based on each group member’s familiarity with the language, as well as comfort using Python. We plan to use additional packages in Python that are commonly used in data science, including: pandas, numpy, matplotlib, and sklearn.

Pandas (source: <https://pandas.pydata.org/>)

Tableau is an additional tool we may use based on its ease of use and ability to generate complete and customizable visualizations.

**MILESTONES**

As a group, we plan to meet once a week, currently every Sunday, to discuss work to be completed and make any necessary changes to milestones or other portions of the group project. We plan to meet via video conference and will continue to collaborate between meetings via e-mail or text message.

Project Proposal Paper Part 2 drafts should be completed by Friday, July 9th for group members to review and edit. Reviewed and completed edits should be completed by Friday, July 17th for submission.

Given the one week between the Part 2 and Part 3 submission, initial drafts for Part 3 should be completed by Sunday, July 19th. This due date includes dataset evaluations and work for the data set being completed. This milestone will allow time for group members to collaborate and edit Part 3 so it can be submitted by Friday, July 24th.

We plan to have the remaining portions of our project, parts 4-6, completed by Sunday, August 3rd. Setting an earlier due date will allow us to complete the project with enough time to make last minute changes. Additionally, a Sunday due date will allow us to meet via video conference and review last minute edits as a group.

Since Part 7 is an individual piece for peer evaluation, it will be a separately determined milestone for each group member.