Framingham Heart Study ML Project Proposal Team 4

1. List of team-mates: Kristi McGrath, Todd Auman, Bobby Huffstetler & Jamie Lam

What is the problem that you plan to solve/analyze?

Identify the risk factors which can predict someone having myocardial events such as Stroke, Hypertension, and Myocardial Infarction.

Dataset link(s)/api <https://biolincc.nhlbi.nih.gov/teaching/>

1. What ML approach(es) do **YALL** plan to use? We understand this may change as you begin to train/test your models

Logistical regression, K Nearest Algorithm, Random Forest, Support Vector Machine, Neural Networks

1. For requirement #4, list which tools you plan to use:

Tableau, Python, Pandas

1. How do you plan to present/display your research? (i.e., webpage, Jupyter notebook with graphics and walk through, ect)

Tableau Dashboard/Story, Jupyter Notebook, Webpage, PowerPoint

1. Project timeline plan - when do you plan to have each piece done

Nov 3 Data Cleaned – Data Frame ready to Go

Nov 5 ML Complete by EOC

Nov 10 Visuals in Tableau

Nov 12 Final Tableau Visualization

Nov 14 Presentation (Tableau, PowerPoint and Webpage Demo)