**Project 4 – Machine Learning Integration**

GROUP # 1 TEAM MEMBERS: Gerardo Angulo, Justin Ho, Rebecca Watson, Ray Yoon

PROJECT GOAL: Brain Stroke Prediction

One of the top 5 leading causes of death today is stroke, according to the CDC. It is important people know and understand how different health concerns might impact the probability of them having a stroke. We are able to create a model which will allow us to predict the likelihood of a patient to have a stroke based on input parameters.

PROCESS:

1. Find data source(s):

a. Kaggle

· https://www.kaggle.com/datasets/zzettrkalpakbal/full-filled-brain-stroke-dataset

2. Data (ETL) and Data Delivery

A. Clean Data

B. Pre-process Data

2. Analyze Data

A. Create Model

B. Train the model

C. Test the Model

D. Optimize the Model

E. Create a machine learning algorithm

3. Visualizations:

A. Create index.html

B. Create app.py

C. Create style.css/plot.js/static.js

4. Presentation:

A. Create a Readme File

B. Create slide deck which includes charts/graphs/maps/image