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Project 4- Team Vega

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**Matias L**

**Jai'lyn J**

**Hunter S**

**Cassie W**

# Topic: Brain Stroke Prediction

# A stroke is a medical condition in which poor blood flow to the brain causes cell death. There are two main types of strokes: ischemic, due to lack of blood flow, and hemorrhagic, due to bleeding. Both cause parts of the brain to stop functioning properly. Signs and symptoms of a stroke may include an inability to move or feel on one side of the body, problems understanding or speaking, dizziness, or loss of vision to one side. Signs and symptoms often appear soon after the stroke has occurred. If symptoms last less than one or two hours, the stroke is a transient ischemic attack (TIA), also called a mini stroke. A hemorrhagic stroke may also be associated with a severe headache. The symptoms of a stroke can be permanent. Long-term complications may include pneumonia and loss of bladder control.

# The primary objective of this project is to build a predictive model that can accurately assess an individual's risk of experiencing a stroke based on various demographic, clinical, and dietary factors.

# We will be using Pandas and Tableau for project requirements.

# Dataset:

[Brain Stroke Dataset (Kaggle)](https://www.kaggle.com/datasets/zzettrkalpakbal/full-filled-brain-stroke-dataset)

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