

Problem statement information: (SMART)

Which single clinical feature is best at predicting a stroke event?

Context:

According to the World Health Organization (WHO) stroke is the 2nd leading cause of death globally, responsible for approximately 11% of total deaths. This dataset will be used to predict whether a patient is likely to experience a stroke based on the input parameters like gender, age, various diseases, and smoking status. Each row in the data provides relevant information about the patient.

Criteria for Success:

Determine 1 clinical feature as the leading predictor of a stroke event

Scope of solution space:

Solution to be inside the possible 11 clinical features provided in the dataset

Constraints:

The actual leading predictor of a stroke event may exist outside of the given 11 clinical features

Stakeholders:

Medical community

Data Sources:

CSV file containing the Stroke Prediction Dataset from Kaggle

Citation:

fedesoriano. (January 2021). Stroke Prediction Dataset. Retrieved [8/21/2024] from <https://www.kaggle.com/datasets/fedesoriano/stroke-prediction-dataset/data>