Individual Stroke Probability

Machine Learning Model Presentation

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Business Problem:

Predictions of an individual's probability or risk of stroke :

In a situation were we can potentially determine if a patient is at risk of stroke simply by recording a few characteristics of their overall general health and specific habits. Medical institutions could pro-actively help prevent strokes by providing medications or daily routines and better understand why they occur in different instances.

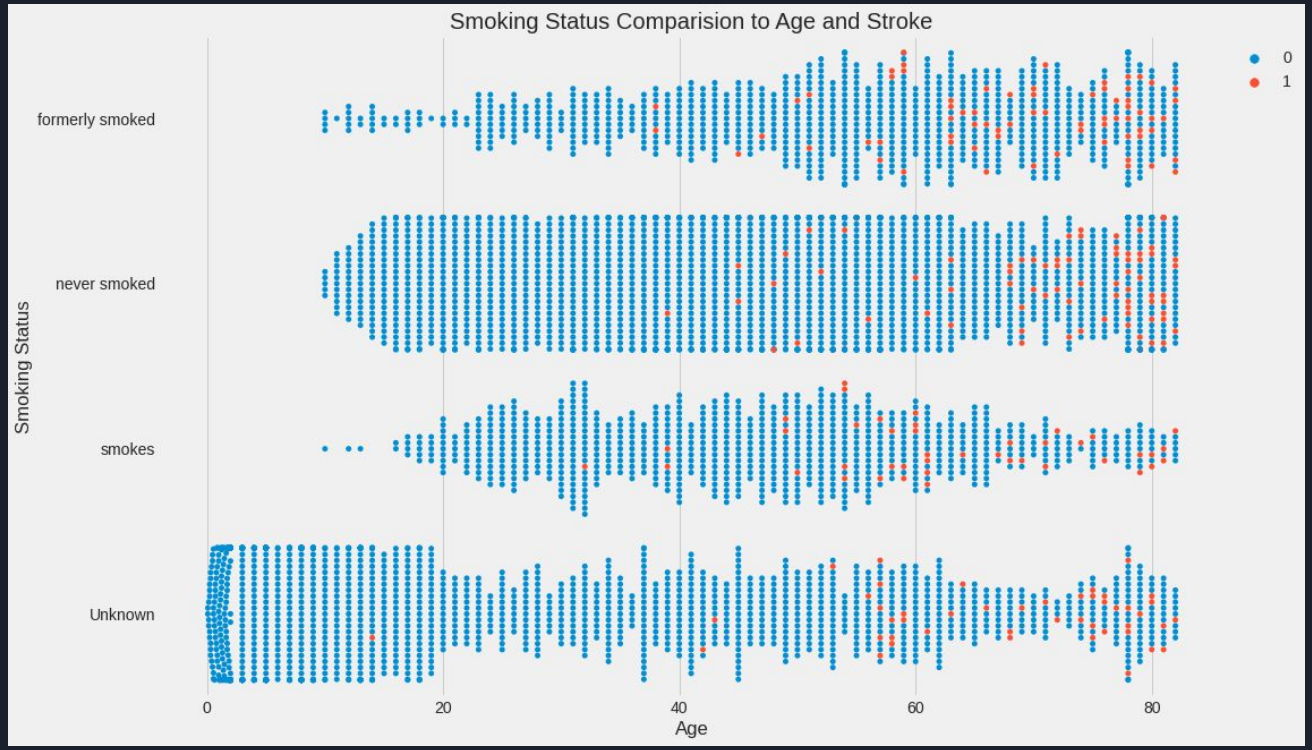
Data:

(https://www.kaggle.com/datasets/fedesoriano/stroke-prediction-dataset)

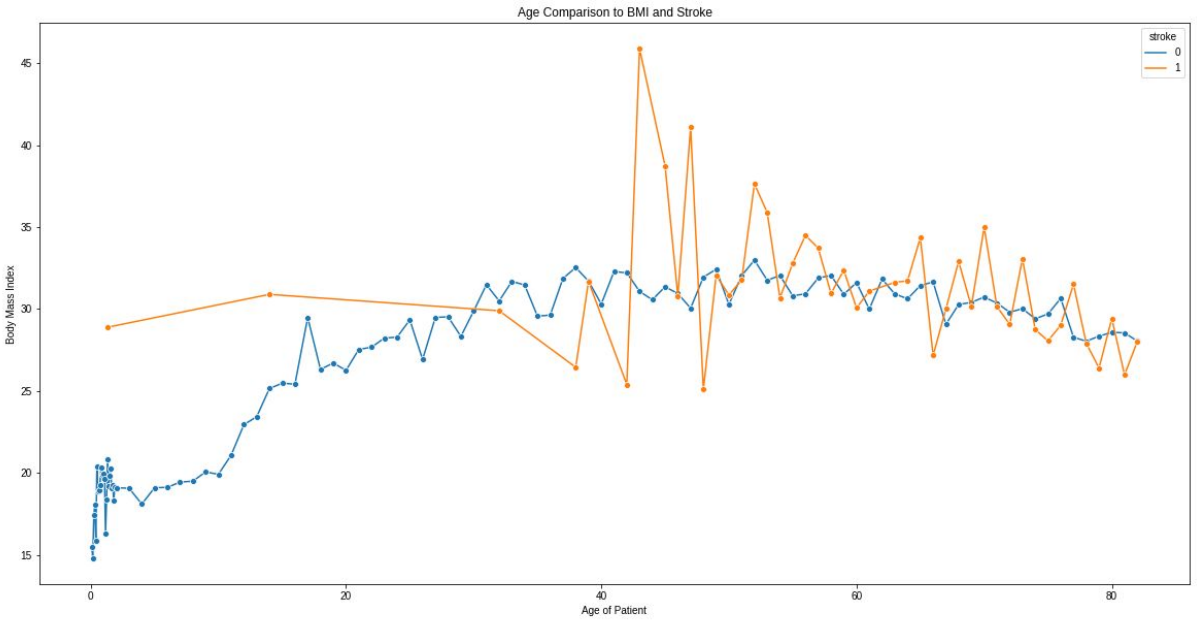
Methods

- Cleaning of the original data
- Applying different models on training data
- Evaluating scores
- Final model creation and score

Key Findings



Key Findings Cont.



Results:

Even though the data set did not have a very high-dimension, the best model produced had an overall score of 84%. There are better models to handle these predictions and this will be updated in the future as we move forward.

Recommendations:

More trials with other models and possibly more data and categories to make a richer data set.