FLATIRON SCHOOL

Stroke Risk Prediction

Presenter - Jonathan Pakele Jr.

Topics to cover

Order from left to right

The Data

Statistical Model

Practical Application

Future work

Thank you

The Data & Acknowledgement

Origins

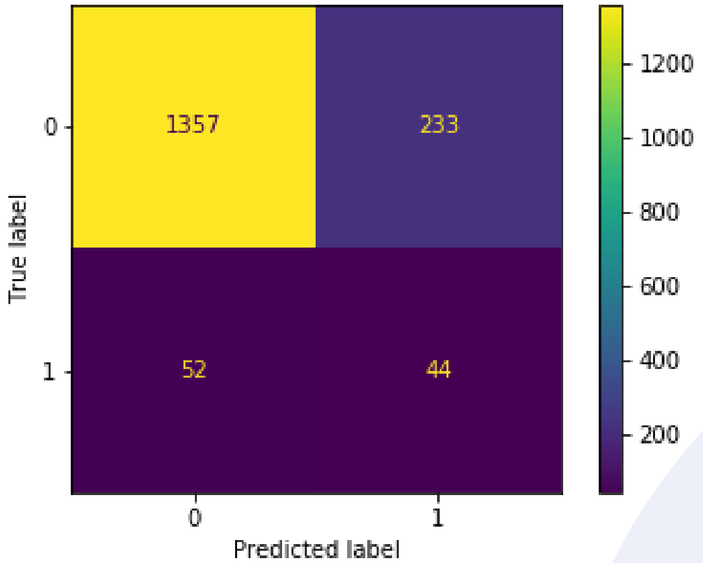
Data came from username 'fedesoriano' from Kaggle.com

Origins of dataset are unknown and validity is questionable.

Reason for selected Dataset

Data can be viewed a training for potential in applying real-world data.

The Model



Accuracy

Predict 74.8% if a patient will or will not be at risk of a stroke correctly.

Safe Prediction

Only a minimal Aprox. 2.1% of patients predicted to be 'not at risk' will be misdiagnosed

Caveat

Model was purposefully made to predict with as few false negatives as possible to mitigate potential harm.

Practical Application

Use for Family Physicians

Model was made to be as generally applicable as possible since cases of stroke have existed in all age and health groups

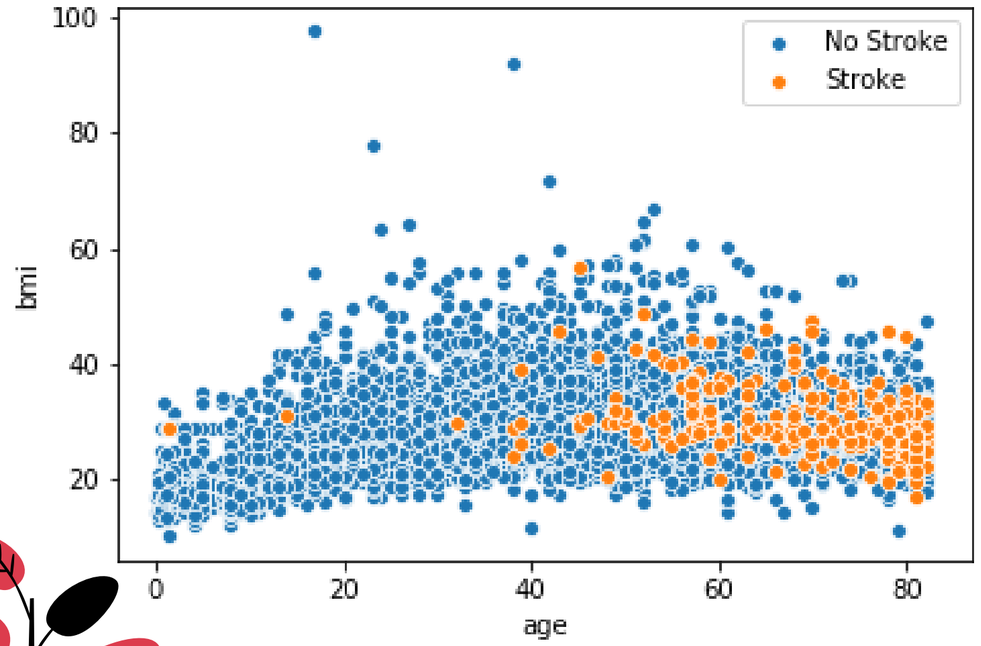
Meant to streamline a process

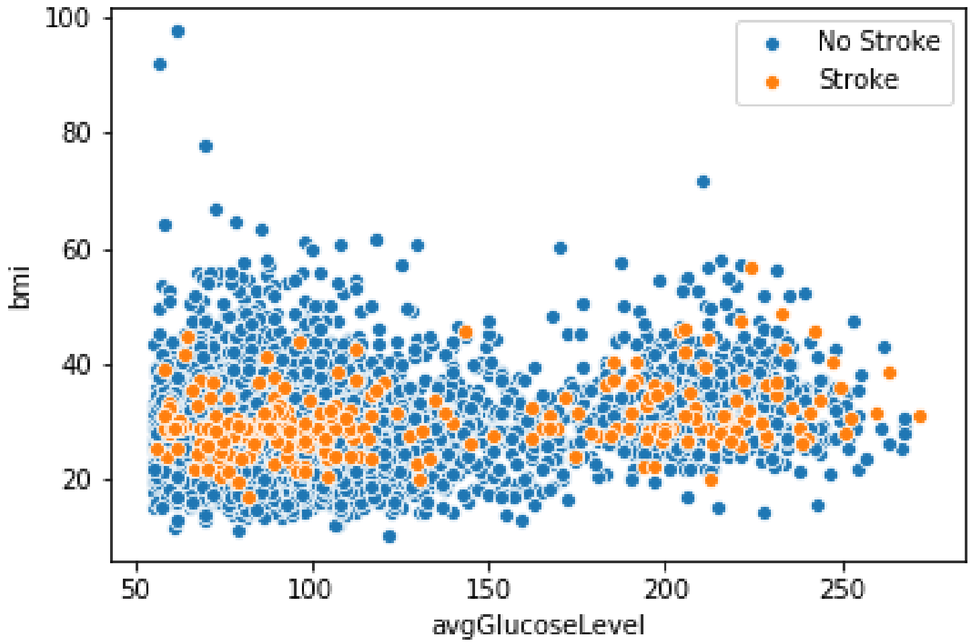
To help produce a list of clients and patients who may be at risk of a stroke rather than having to determine risk on a case by case basis

Applicable to a list of clients

A list can be made for staff to make curtosy calls and enable clients to take an active approach to their own health

IMPROVEMENTS CAN BE MADE FOR MORE SPECIFIC GROUPS





Thank You!

Stay in touch!

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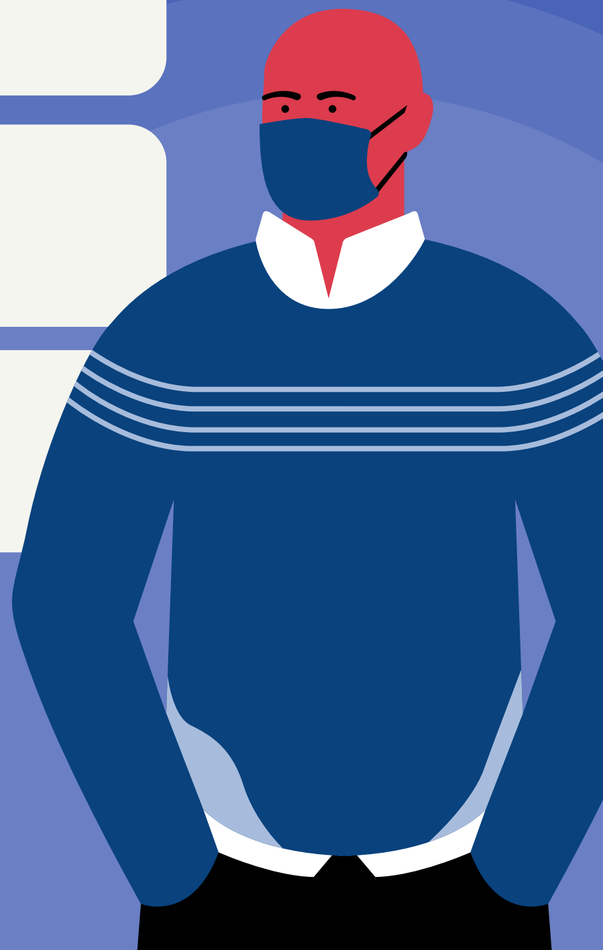
Data Science Blogs

https://dev.to/jpakele