Data Visualization: A Study of 5,110 Patients to Predict Stroke

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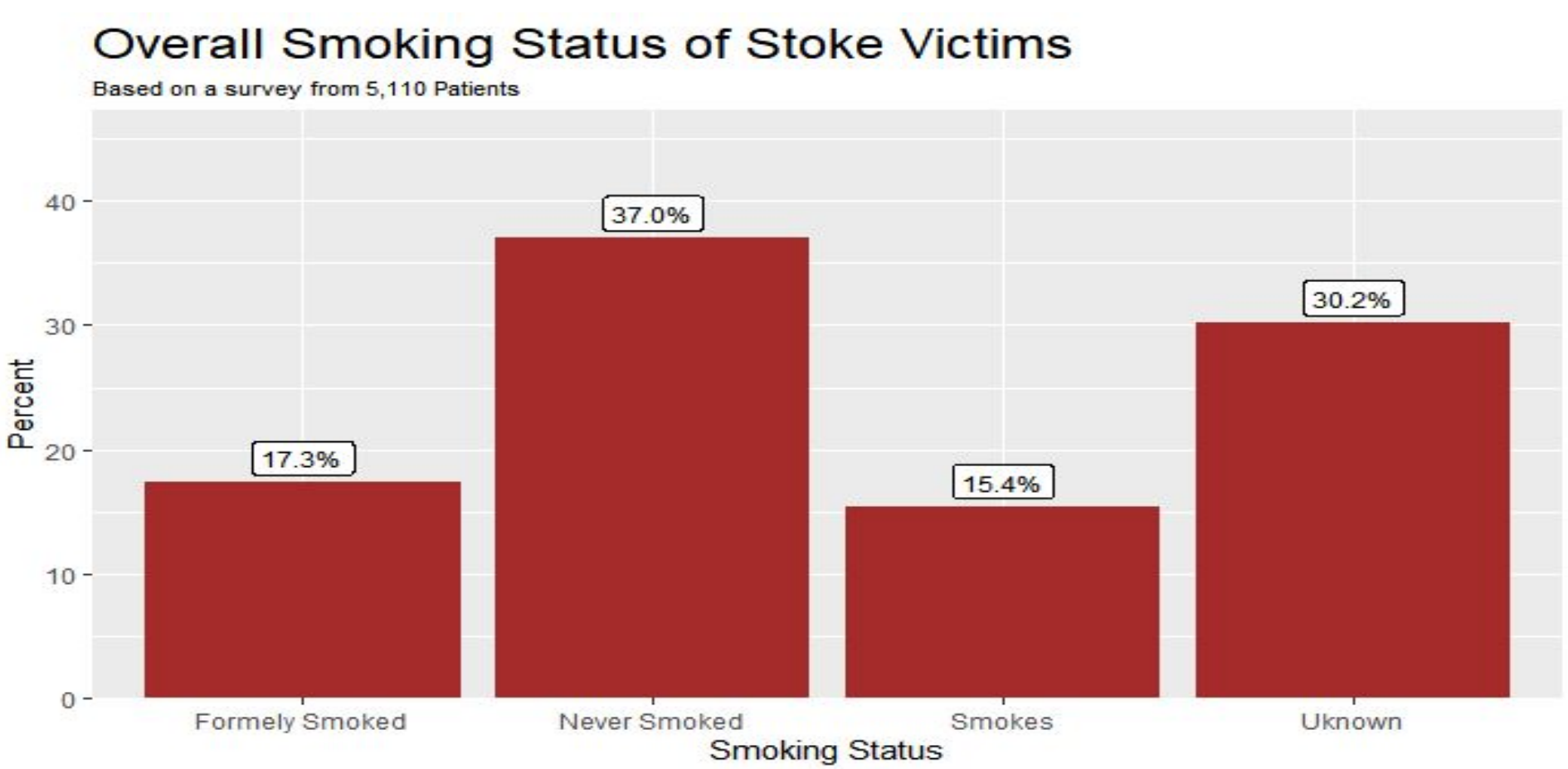
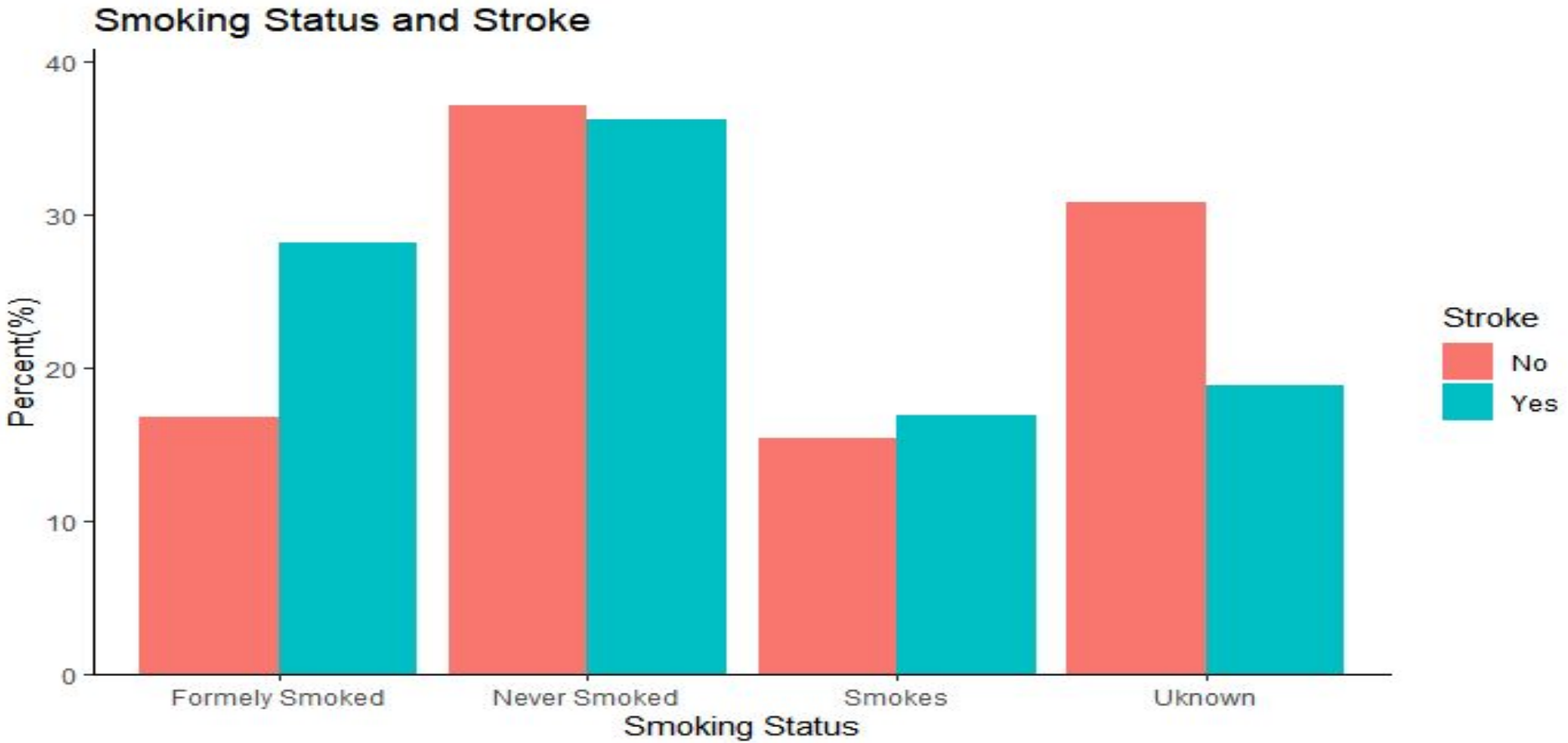


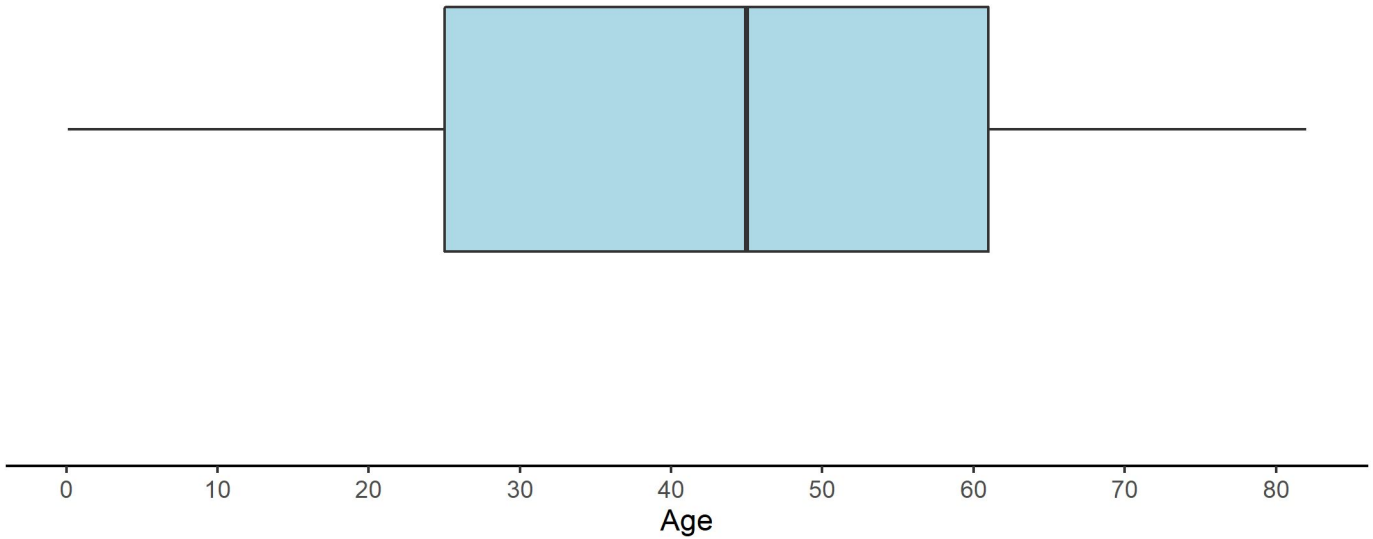
Over half of the patients either used to smoke or never smoked, while 15.4% of patients currently smoke.



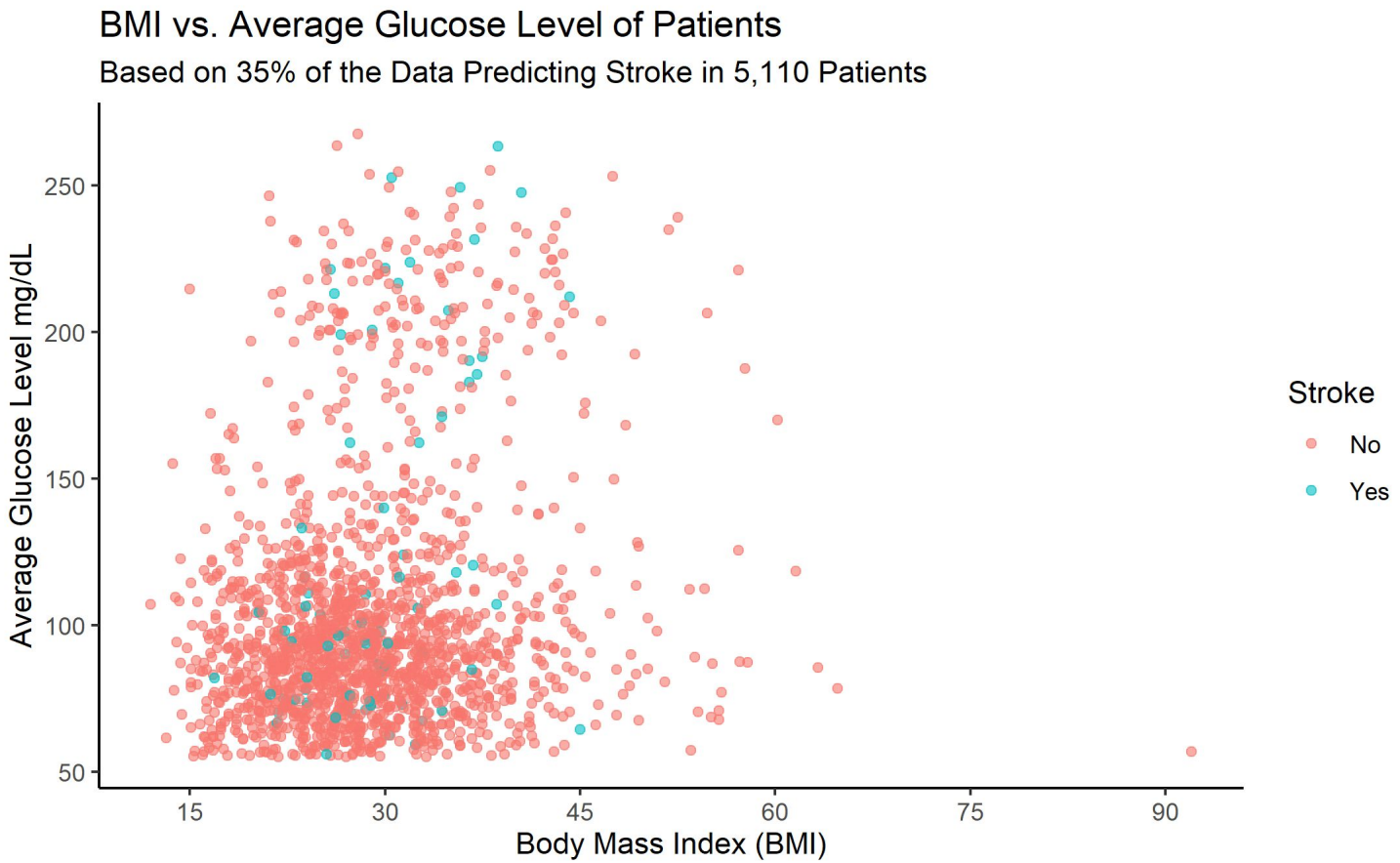
Overall, most patients have who have had a stroke have never smoked, while a more patients who have had a stroke have never smoked or have formerly smoked.

Age Range of the Data

Based on Data Predicting Stroke in 5,110 Patients

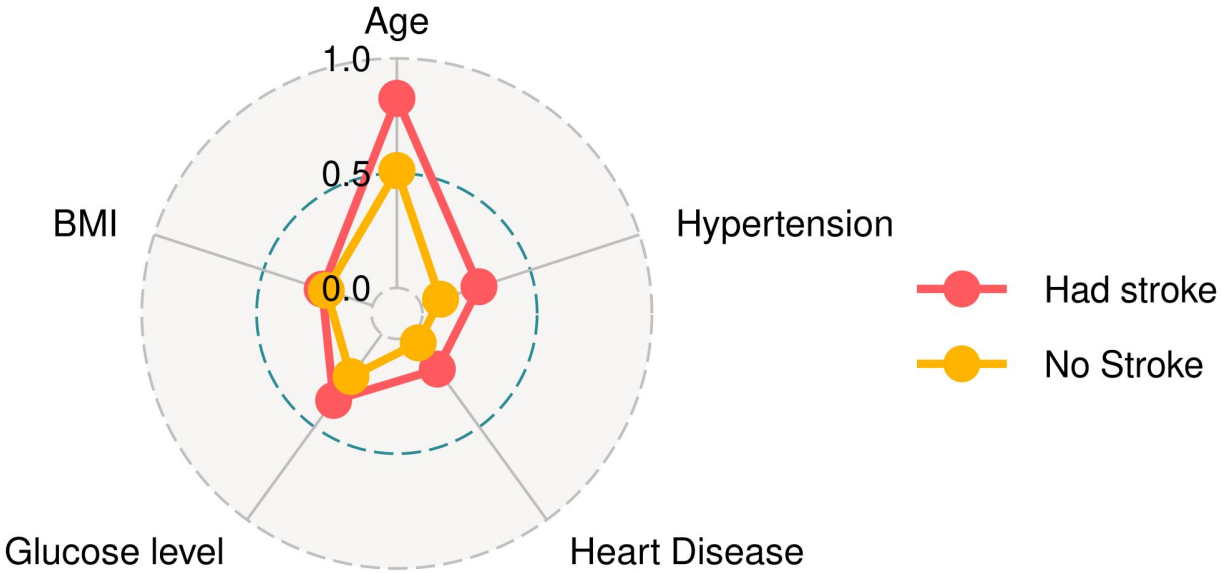


Our patient group is mostly those in Middle-Age. The youngest is 0.28 years old and the oldest is 82.



In this scatterplot based on only 45% of the data or 1,788 patients. Here I see no relation between BMI and Average Glucose Level alongside whether the patient has suffered from a stroke.

Stroke Associated Factor Comparison



This radar plot compares the average normalized values of five factors associated with having a stroke. From this chart we can see that people who had a stroke were older, had slightly higher BMI, higher blood glucose levels, and were more likely to have heart disease and hypertension. The age, BMI and glucose level values were normalized using the min-max method.