



DATA SCIENCE BOOTCAMP 1

BY

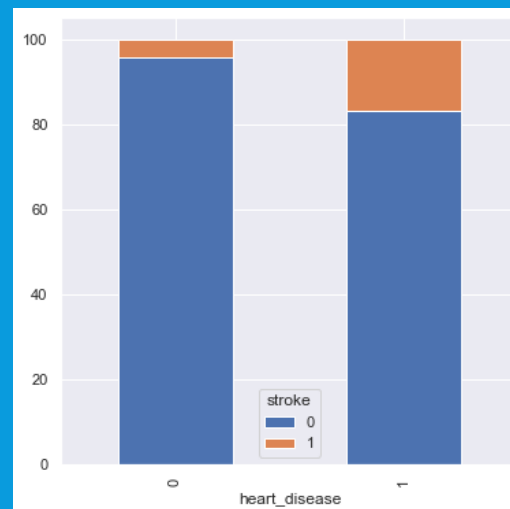
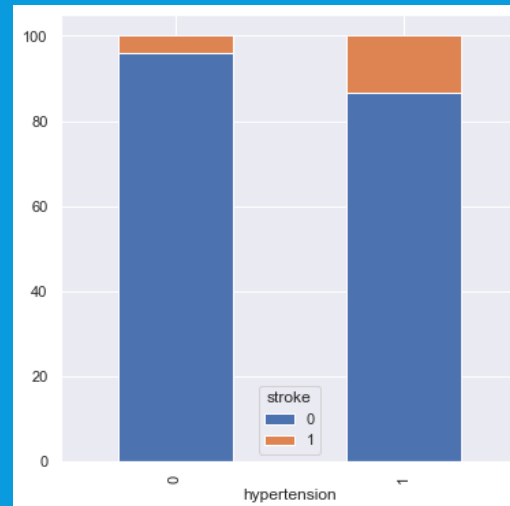
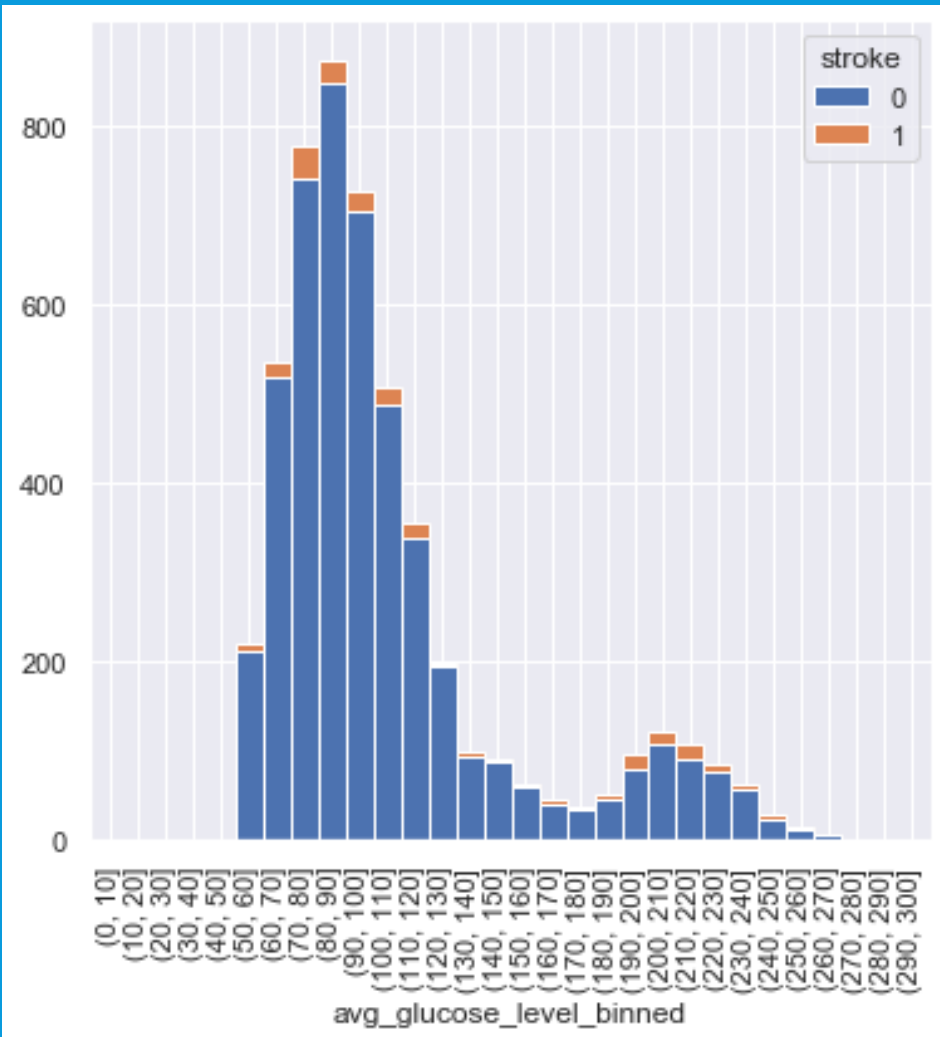
DEEP LEARNING TECH

Project 2 Summary: Stroke Dataset

Saad Iqbal

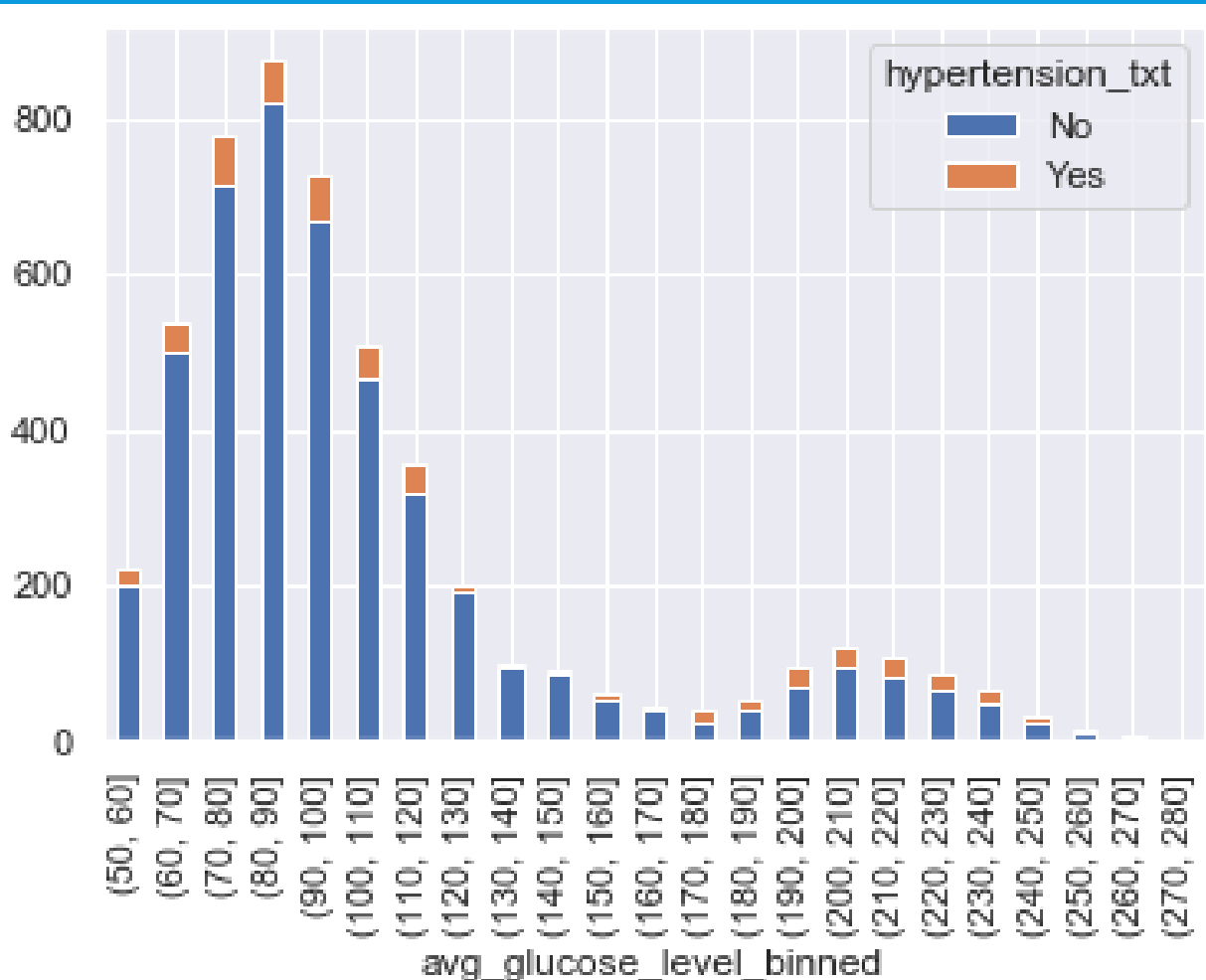
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THE MOST PROMINENT & RELEVANT FACTOR CAUSING THE STROKE



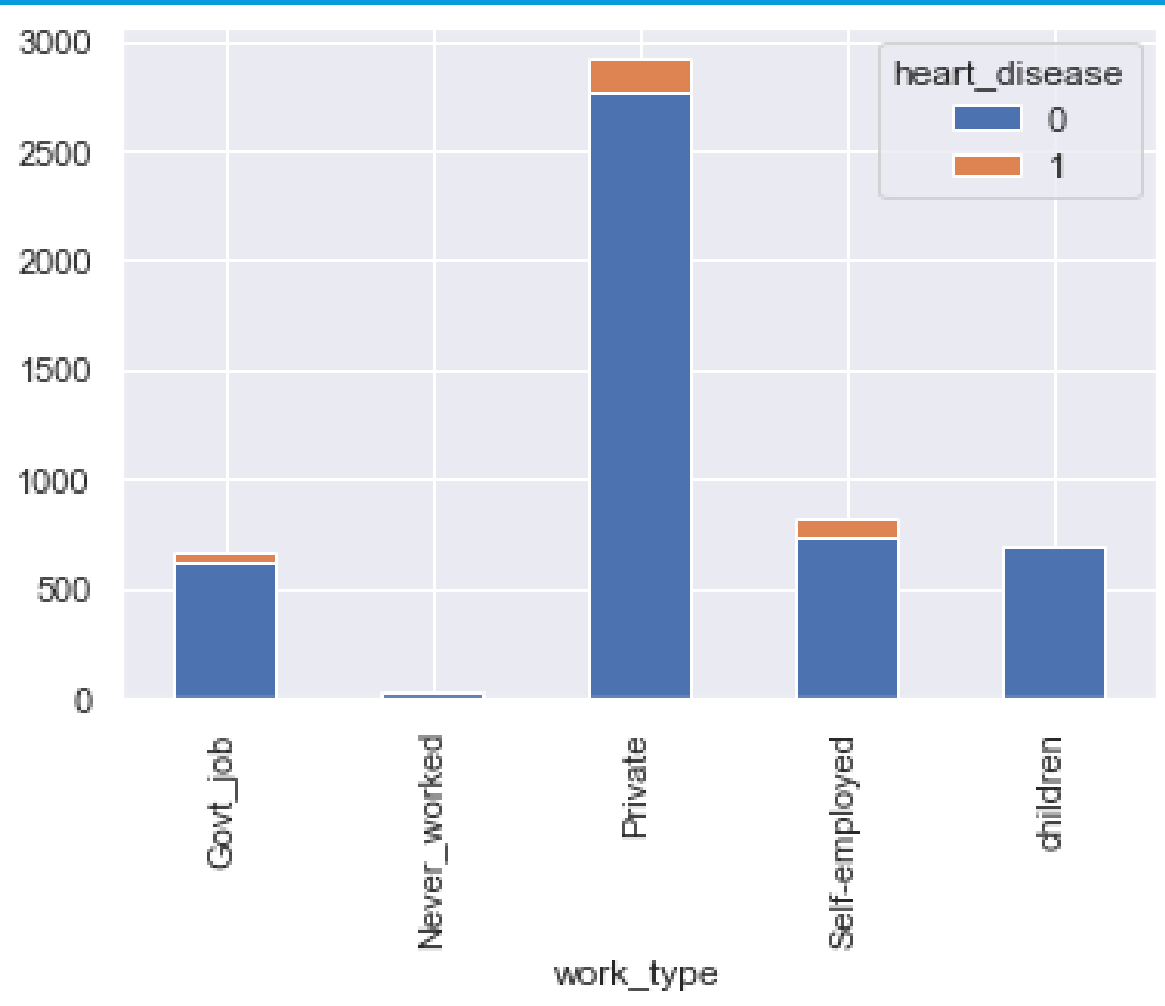
- **Diabetes** is the major risk factor for stroke occurrence and pre-diabetes patients have an increased risk of stroke.
- Higher proportion of patients who suffered from **Hypertension** or Heart **Disease** experienced a stroke.

CORRELATION B/W HYPERTENSION AVERAGE GLUCOSE LEVEL



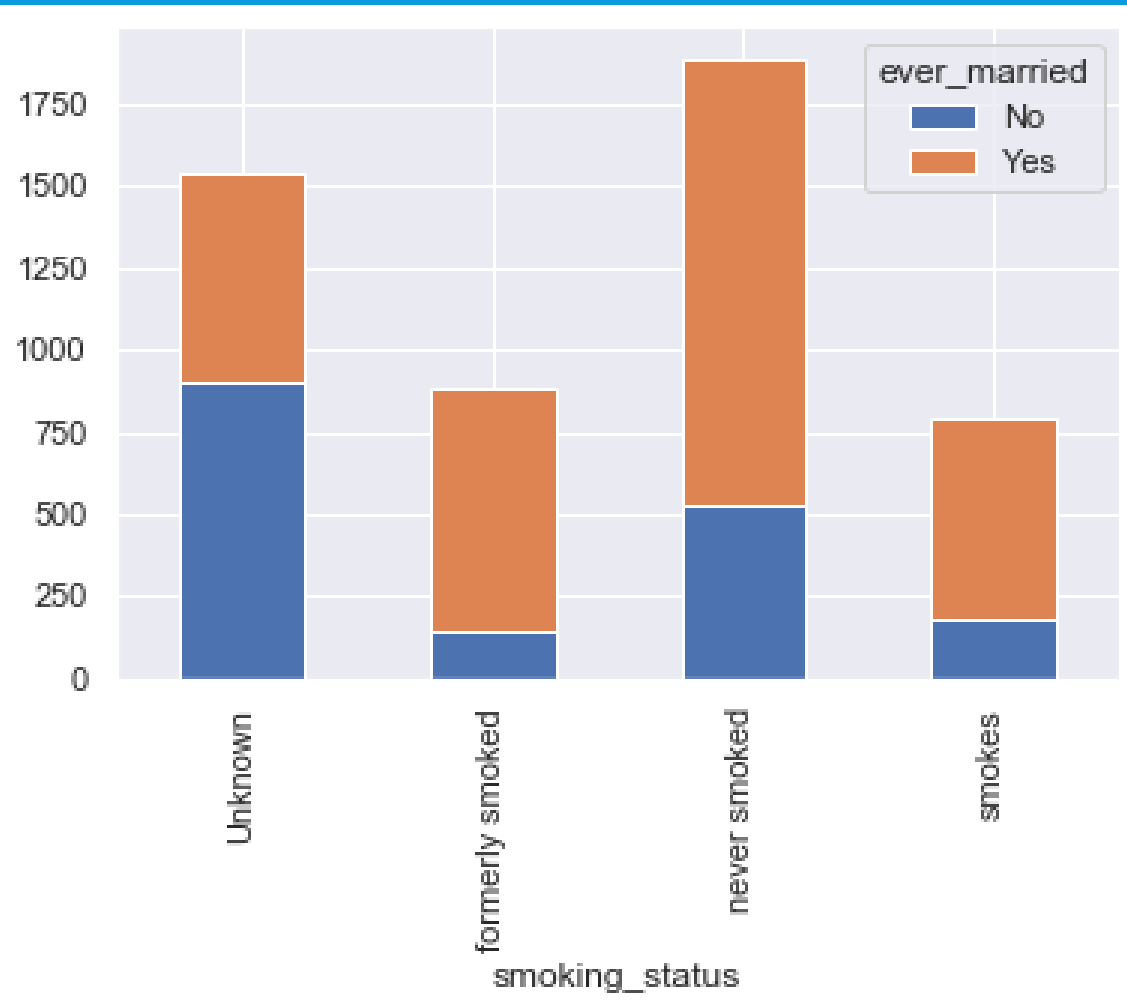
On applying the Chi Squared Test, the p-value of the test is less than 0.05, hence we reject the null hypothesis thus Hypertension and Average Glucose Level are correlated but the association seems quite weak.

RELATION BETWEEN WORK TYPE AND HEART DISEASE



As per Chi Squared observation there is not much correlation between work type and heart disease. However, it seems that self employed people are relatively more prone to heart disease.

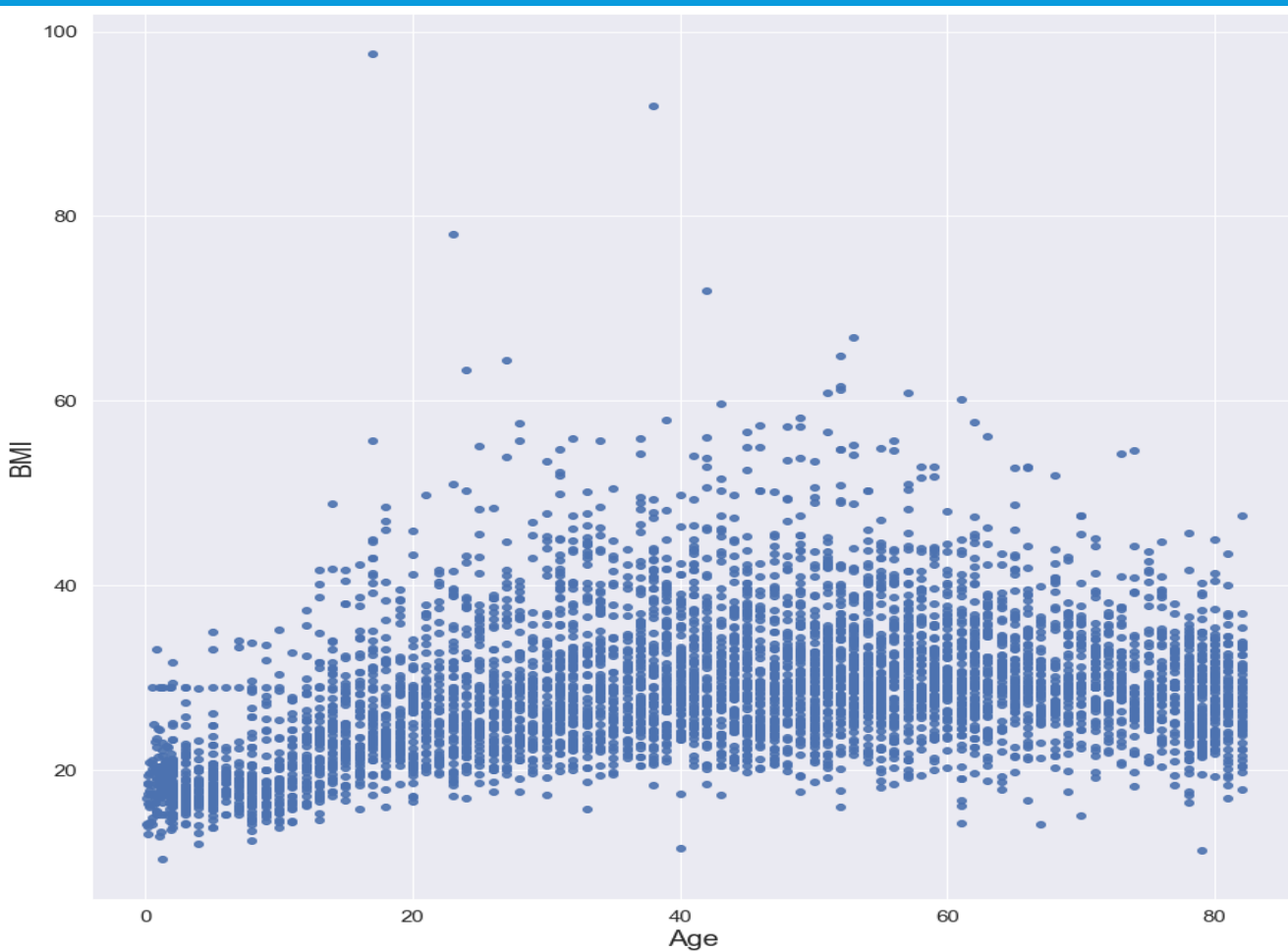
CORRELATION BETWEEN MARITAL STATUS & SMOKING STATUS



On applying the Chi Squared Test, the p-value of the test is less than 0.05, hence we reject the null hypothesis thus Marital Status and Smoking Status are correlated.

It seemed that majority of the married people never smoked or quitted the smoking.

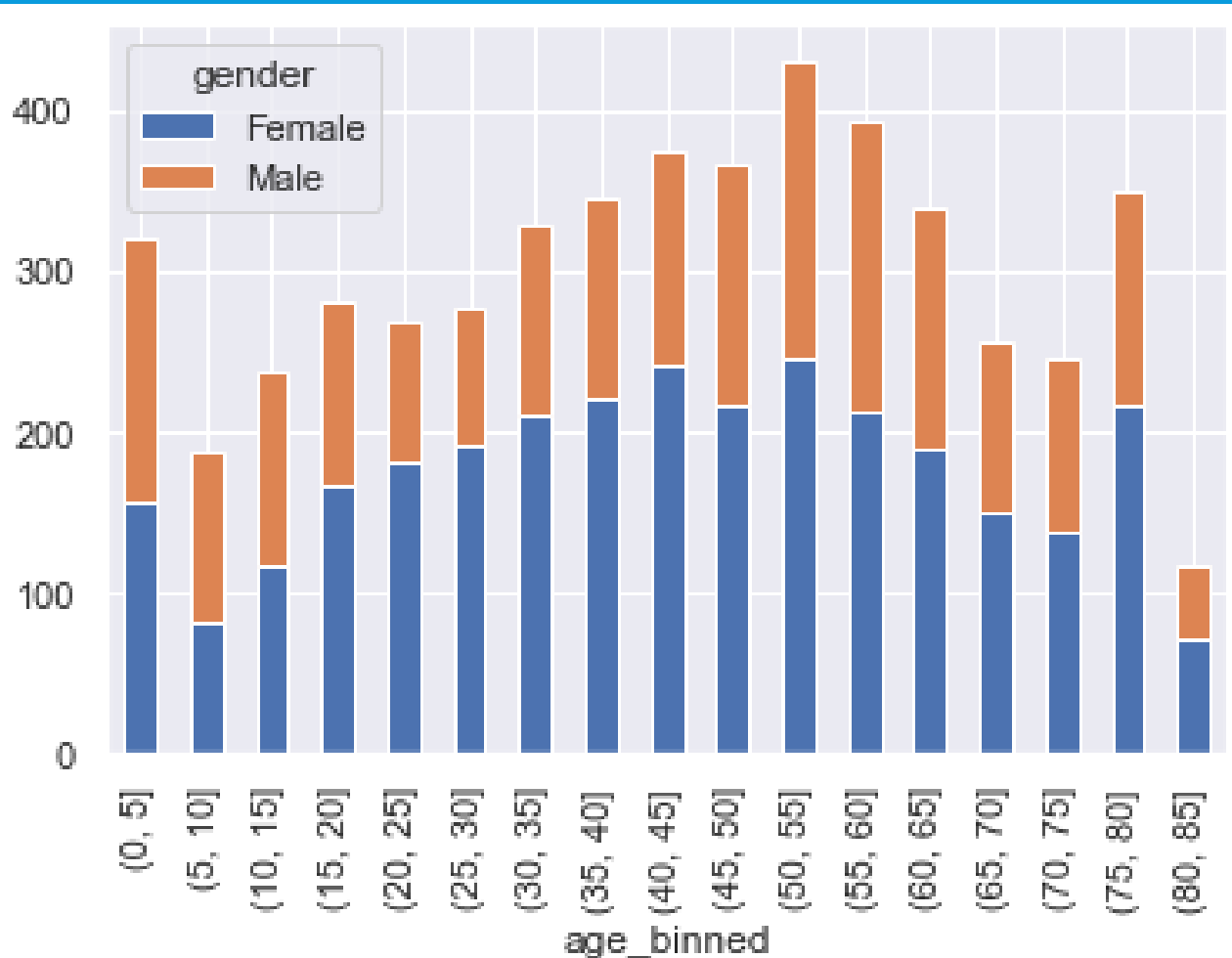
AGE VERSUS BMI FREQUENCY



Majority of BMI lie between 15 to 40 as per given sample data of individuals.

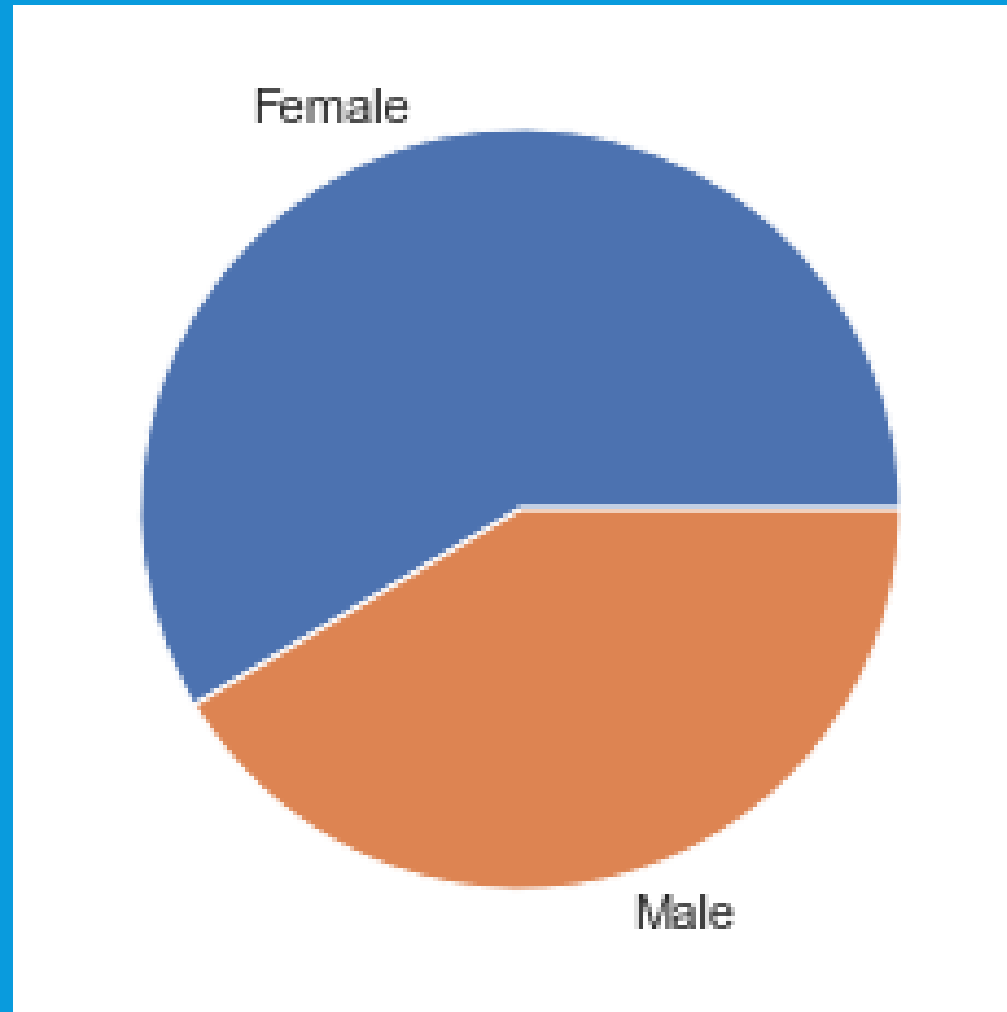
Few individuals between age bracket 25-50 years seems to have high BMI

CORRELATION B/W AGE & GENDER

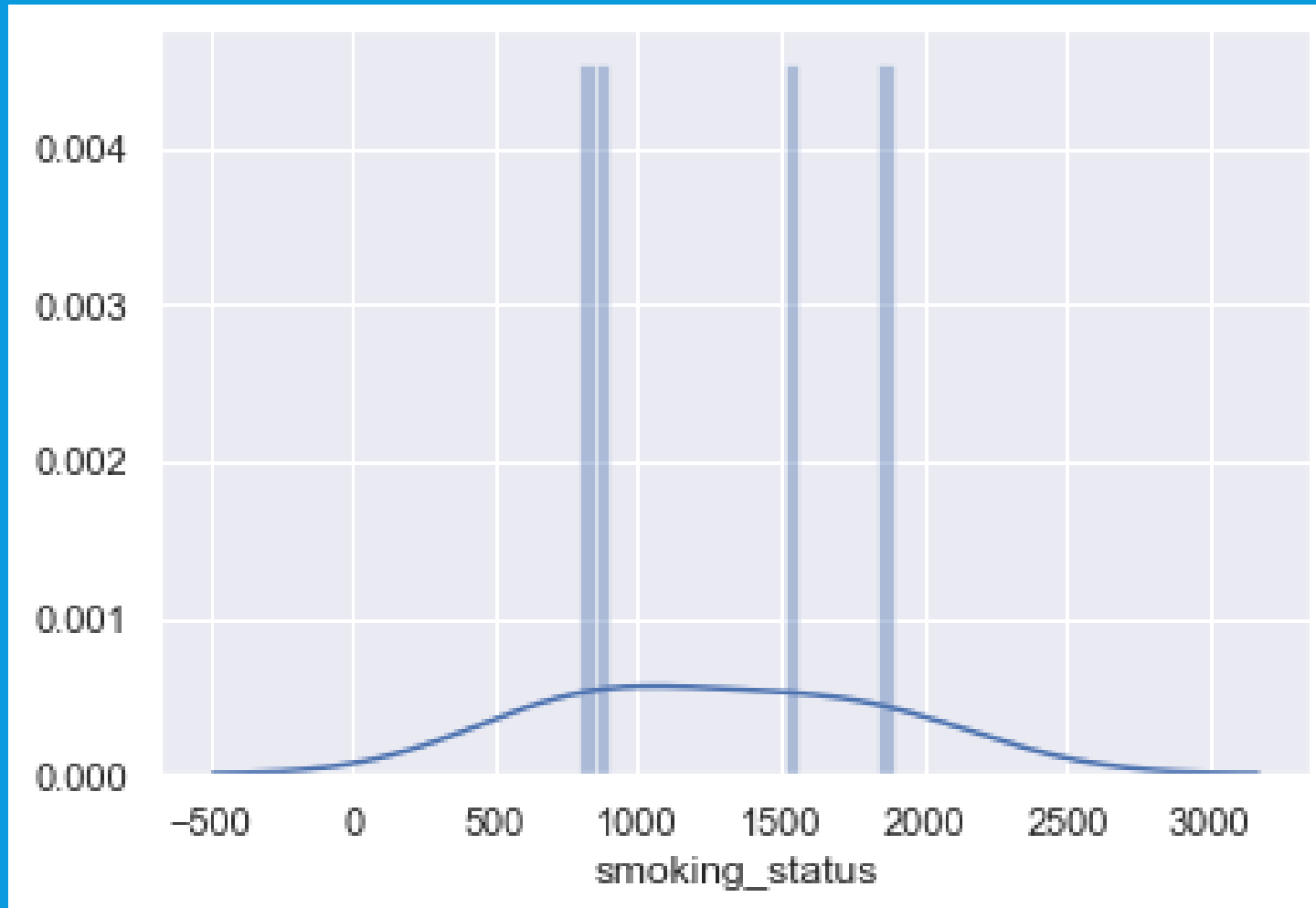


On applying the Chi Squared Test, the p-value of the test is less than 0.05, hence we reject the null hypothesis thus Age and Gender are correlated.

MALES AND FEMALES COMPOSITION



SMOKING STATUS IN THE FORM OF HISTOGRAM



THANK YOU!