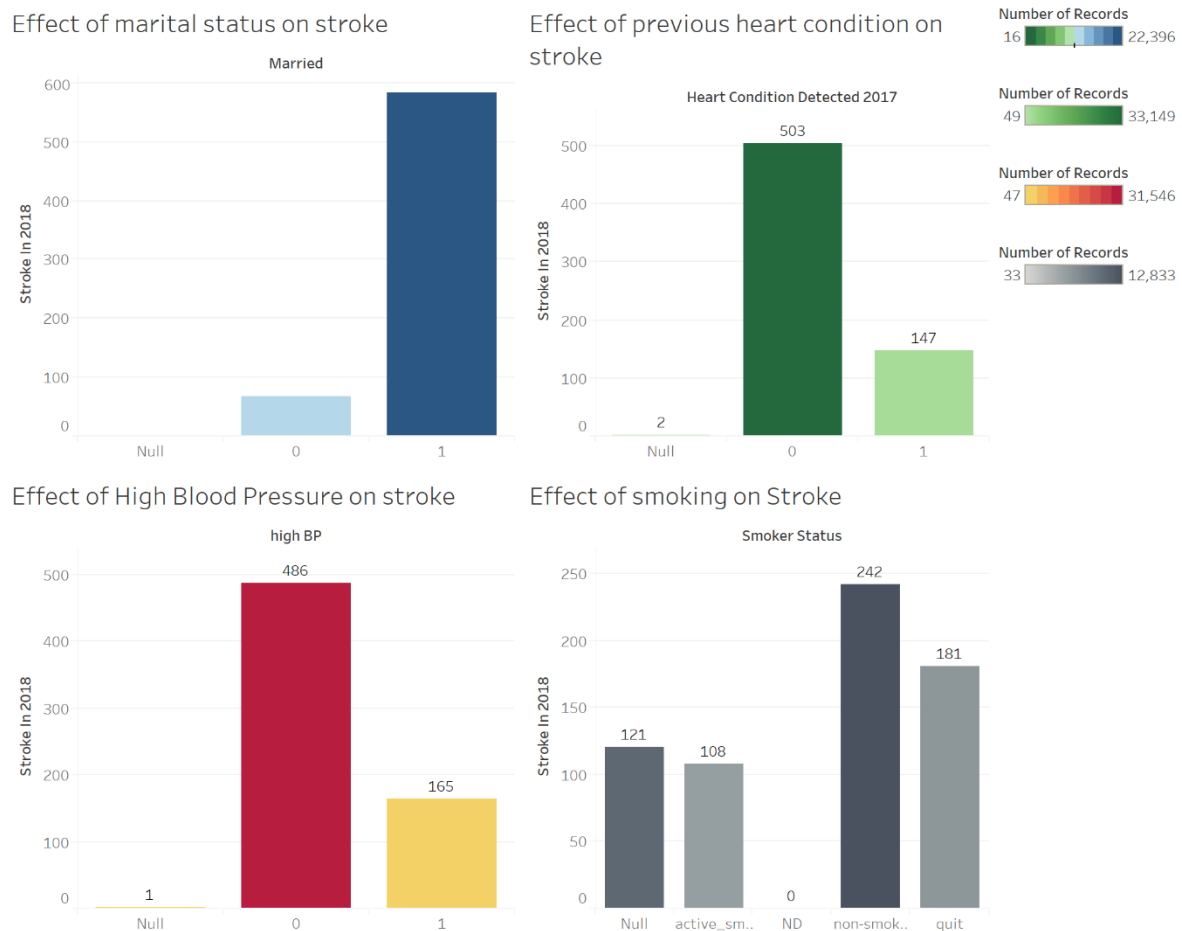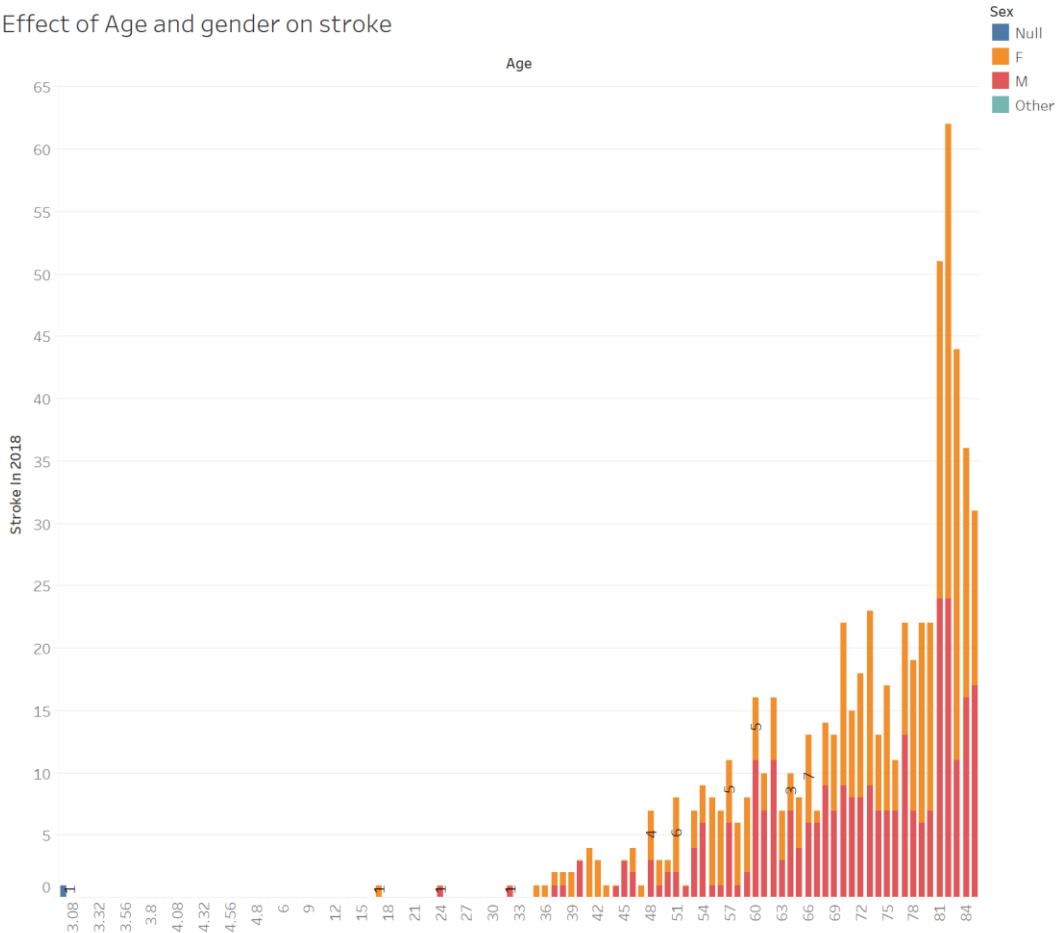# DATASOC Hackathon 2019

Report

The Following graphs represent the various trends observed from the data and have been used to prepare the data in a clean manner to predict if a person might get a stroke.

The graphs above and below represent the chances of getting a stroke with respect to the various parameters that can possibly affect the same.
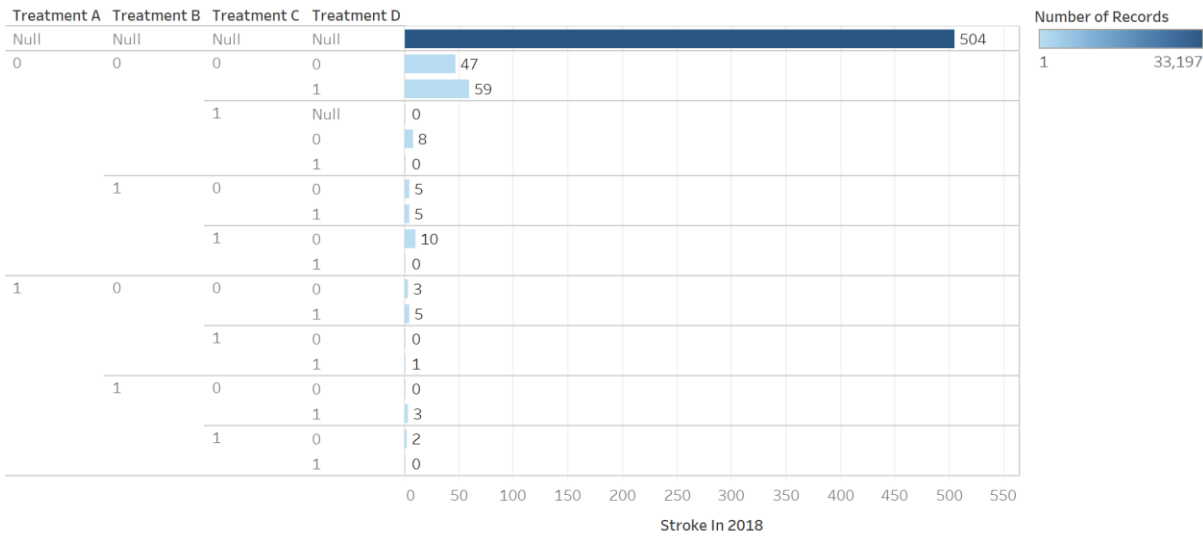
We used a perceptron learning model to train and test the data which was cleaned.

Effect of Age and gender on stroke

Question 2:

Effect of 4 treatments on stroke

Treatment A	Treatment B	Treatment C	Treatment D	Stroke In 2018
Null	Null	Null	Null	504
0	0	0	0	47
			1	59
		1	Null	0
			0	8
			1	0
	1	0	0	5
			1	5
		1	0	10
			1	0
1	0	0	0	3
			1	5
		1	0	0
			1	1
	1	0	0	0
			1	3
		1	0	2
			1	0

Number of Records
1   33,197

Sum of Stroke In 2018 for each Treatment D broken down by Treatment A, Treatment B and Treatment C. Colour shows sum of Number of Records.