

Stroke Analysis

21/6/2021

BRIEF

The project "Stroke Analysis" includes the following:

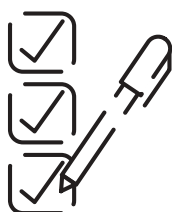
- 1- Cleaning & tidying of the dataset "healthcare-dataset-stroke-data.csv".
- 2- Analysis & visualization of the different features illustrating their impact on strokes.
- 3- A binary logistic model that predicts a stroke based on 3 clinical features: "Age", "Average glucose level", "Body Mass Index (BMI)".

	id	gender	age	hypertension	heart_disease	ever_married	work_type	Residence_type	avg_glucose_level	bmi	smoking_status	stroke
0	9046	Male	67.0	0	1	Yes	Private	Urban	228.69	36.6	formerly smoked	1
1	51676	Female	61.0	0	0	Yes	Self-employed	Rural	202.21	NaN	never smoked	1
2	31112	Male	80.0	0	1	Yes	Private	Rural	105.92	32.5	never smoked	1
3	60182	Female	49.0	0	0	Yes	Private	Urban	171.23	34.4	smokes	1
4	1665	Female	79.0	1	0	Yes	Self-employed	Rural	174.12	24.0	never smoked	1

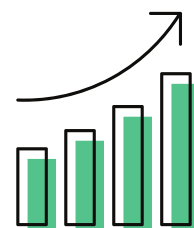
1 Dataset



**5110
observations**

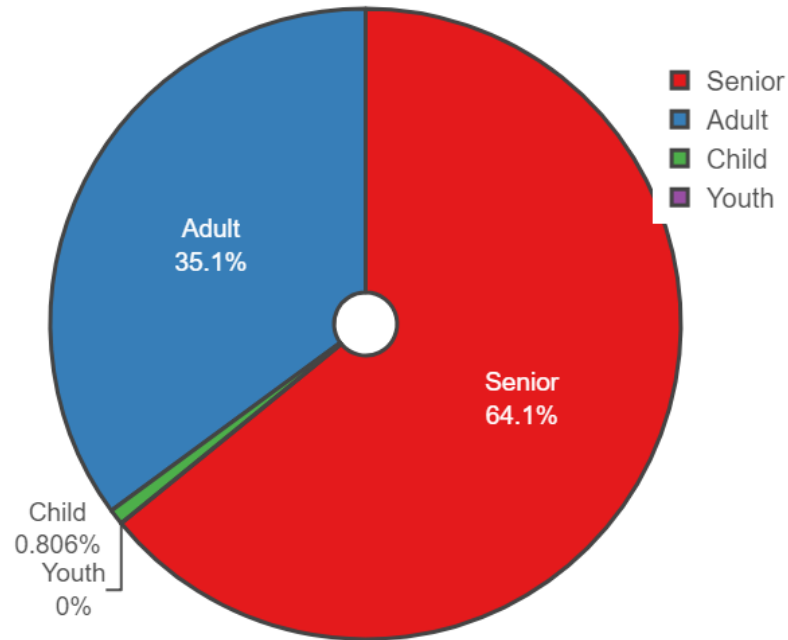


12 attributes

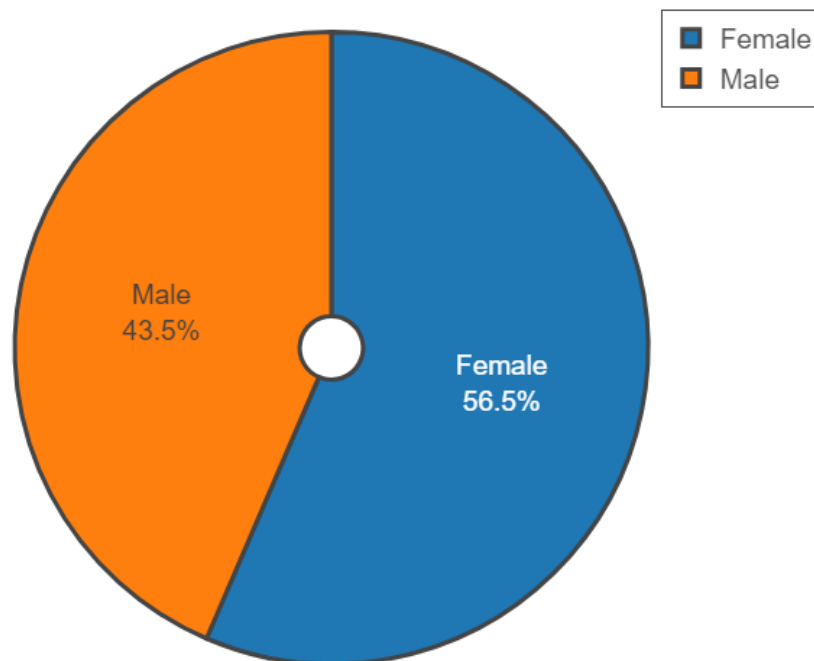


Charts

Stroke according to age category

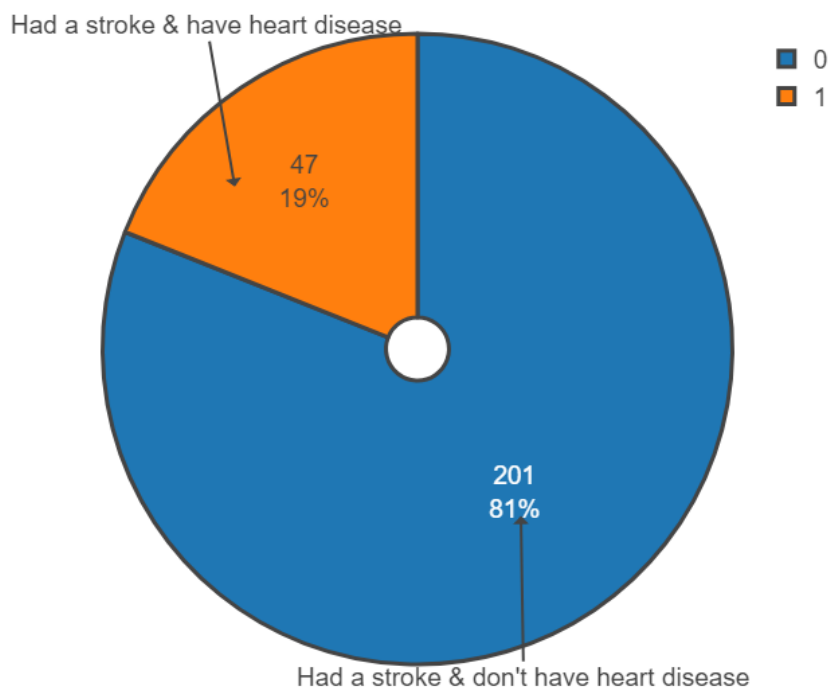


Stroke Vs Gender

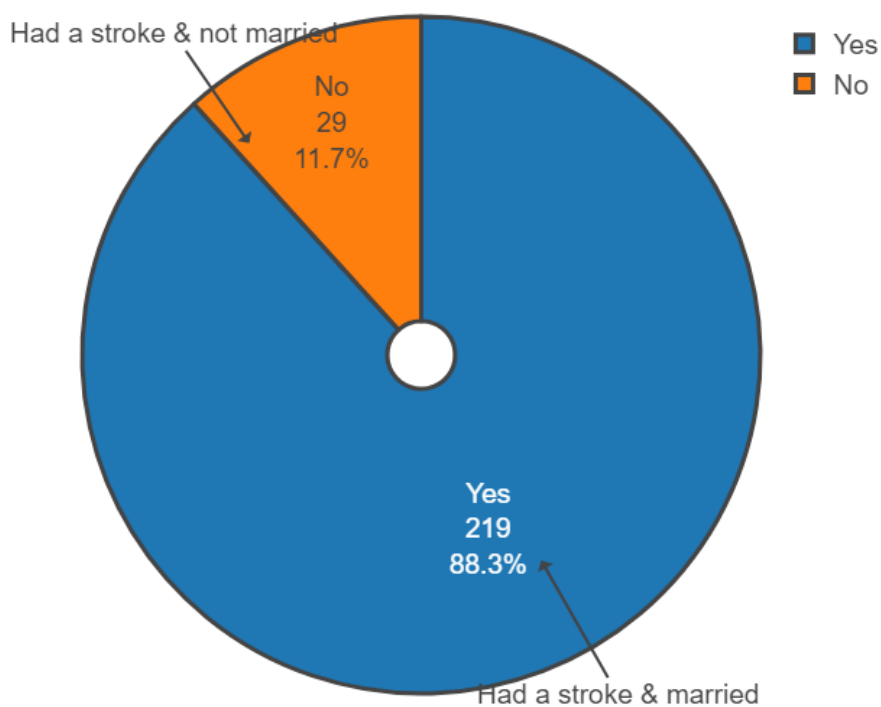


Charts

Stroke Vs Heart disease

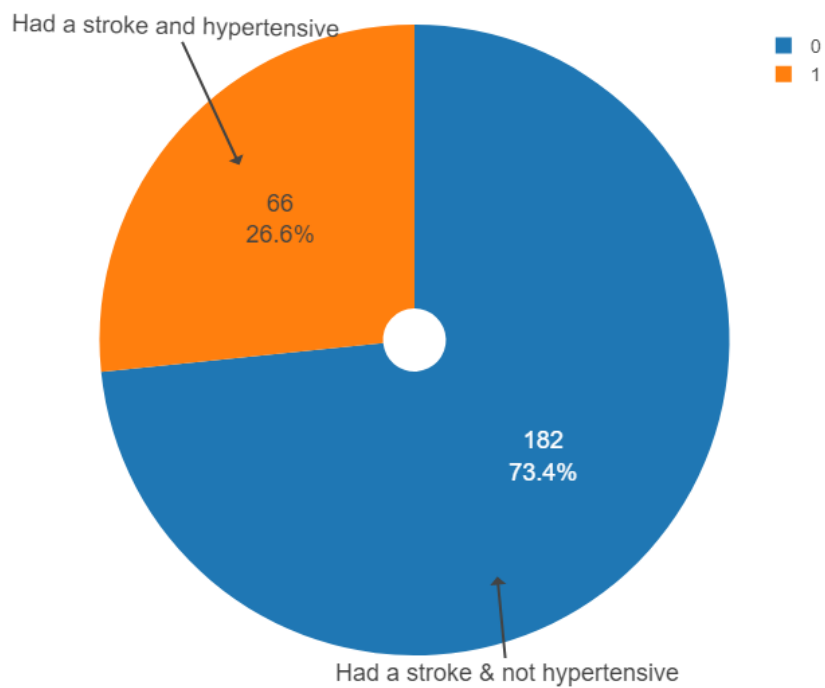


Stroke Vs Marital status

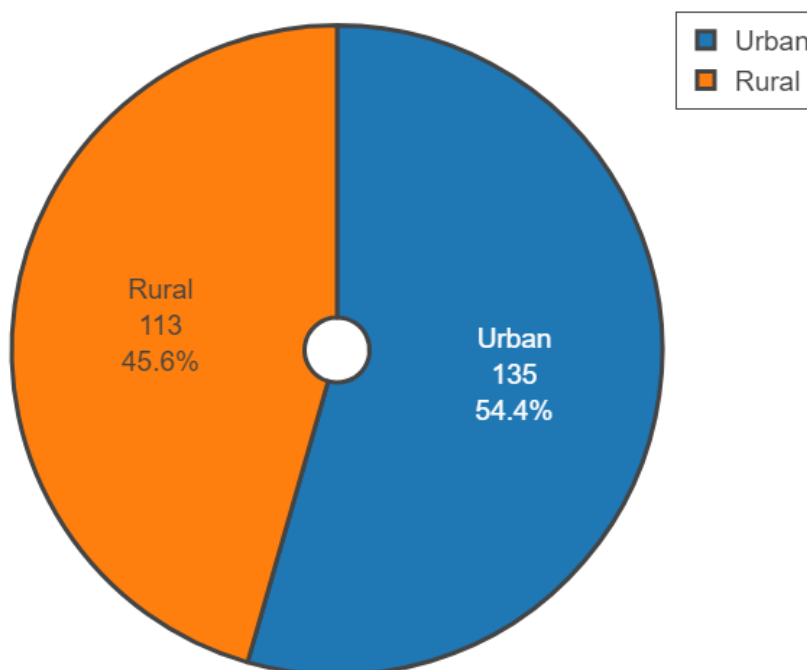


Charts

Stroke Vs Hypertension

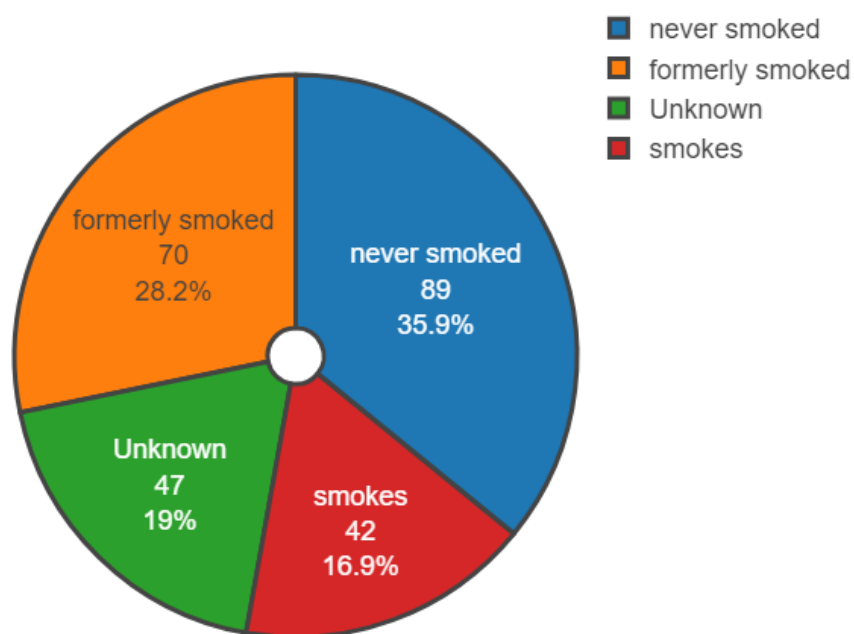


Stroke Vs Residence type



Charts

Stroke Vs Smoking status



Stroke Vs Work type

