

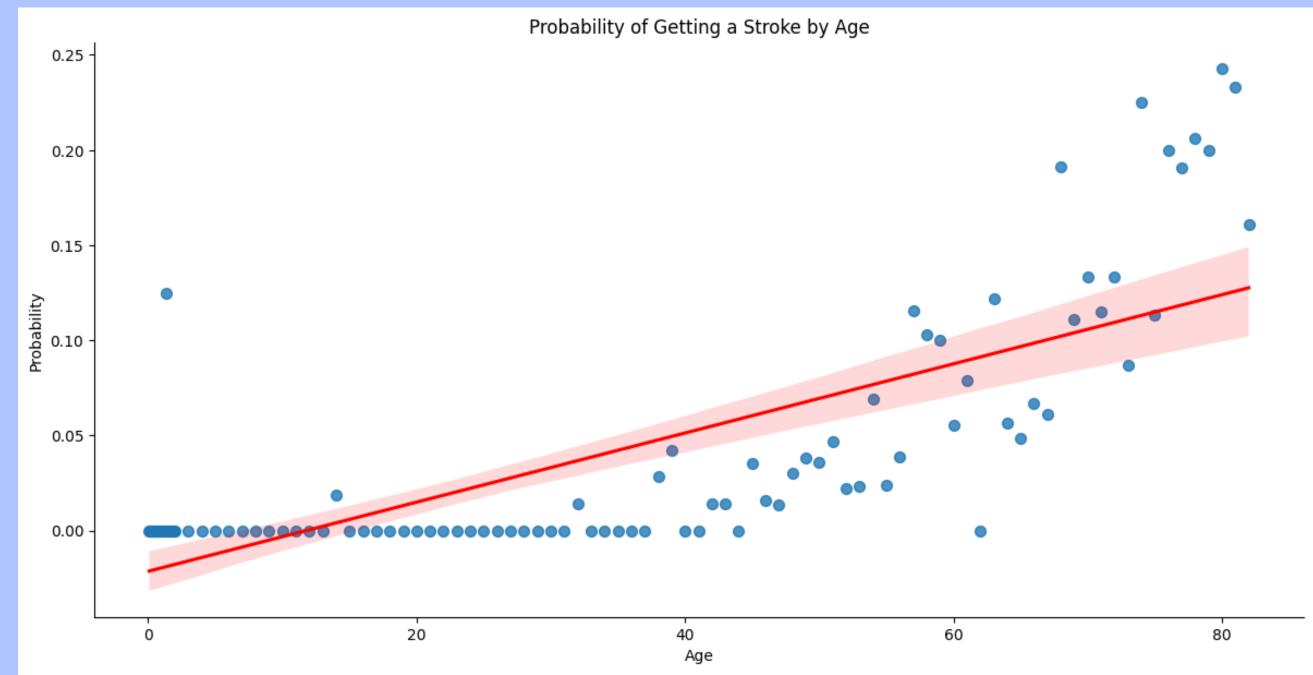
RAW DATA:

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

KEY FEAITURES:

- BMI
- AGE
- GLUCOSE LEVELS

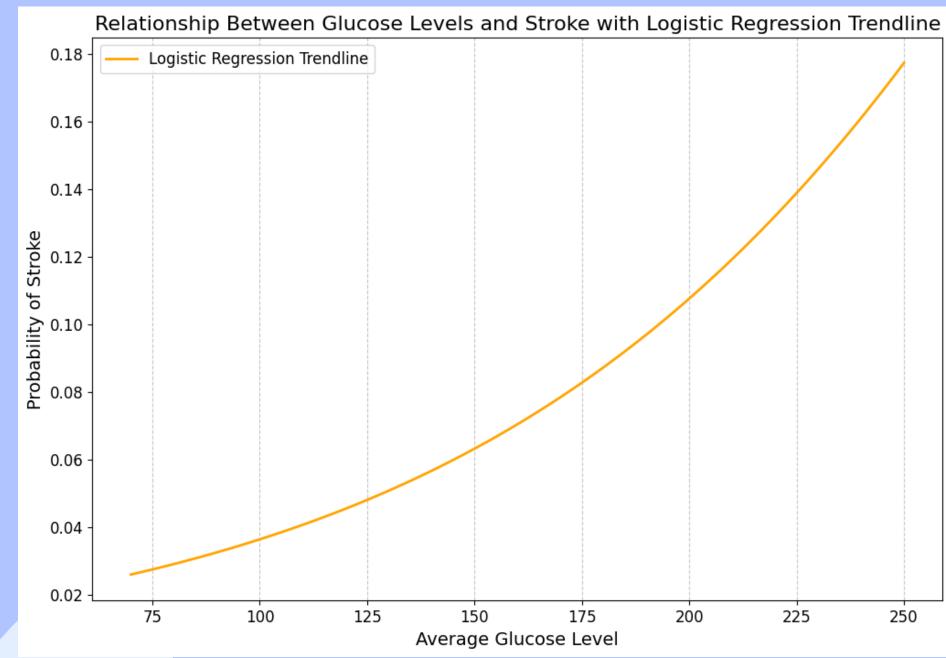
AGE ANALYSIS



In summary, the trendline provides a visual representation of the relationship between age and stroke probability. It indicates a positive correlation, Note that the risk factor has a sharp increase at 40 years, with almost 0 probability of stroke below that age.



GLUCOSE LEVEL ANALYSIS

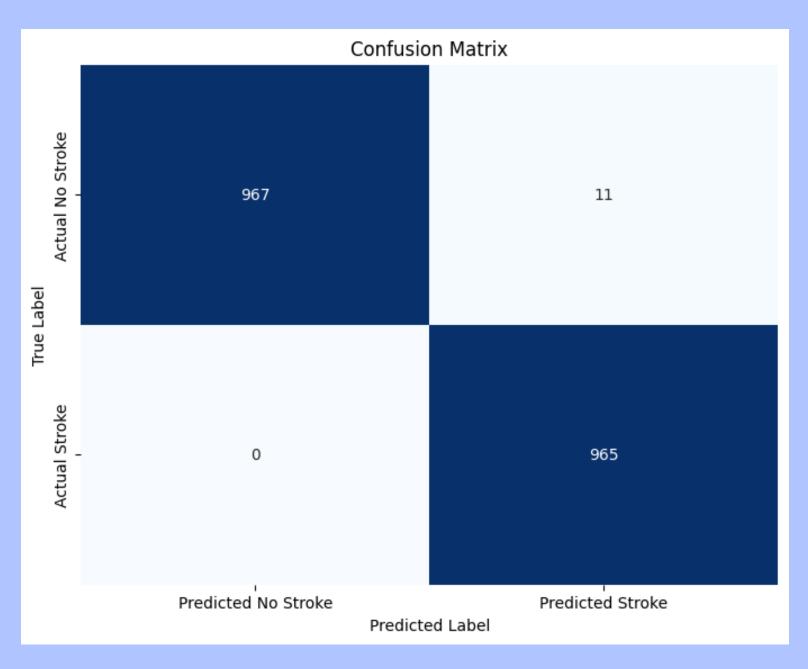


The trendline provides insights into the statistical association between glucose levels and stroke risk in your dataset. It's important to note that it represents a model's estimate based on available data and may not capture all factors influencing stroke risk.

Interpret the trendline as a probabilistic estimate, and individual health decisions should involve consultation with healthcare professionals.



MODEL ACCURACY



Key Metrics:

Precision: 98.87%

Among cases predicted as stroke, 98.87% were genuinely strokes.

Recall (Sensitivity): 100%

The model successfully identifies all actual strokes.

F1-Score: 99.43%

A balanced metric indicating high accuracy in predicting strokes.