



EGYPT UNIVERSITY OF INFORMATICS
FACULTY OF COMPUTING
& INFORMATION SCIENCES

SIGNS OF HEART ATTACK



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INTRODUCTION

A heart attack, or myocardial infarction, occurs when the flow of oxygen-rich blood to a section of the heart muscle is blocked. This often happens due to plaque buildup in the coronary arteries, which supply the heart with blood. Recognizing the signs of a heart attack is crucial, as prompt medical attention can be life-saving.

Research Question

Is Heart Attack related to other health factors?



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HYPOTHESIS

Is there a significant difference in the mean BMI between individuals who have had a heart attack and those who haven't?

Is there a significant difference in the mean Physical Health Days between individuals who have had a heart attack and those who haven't?

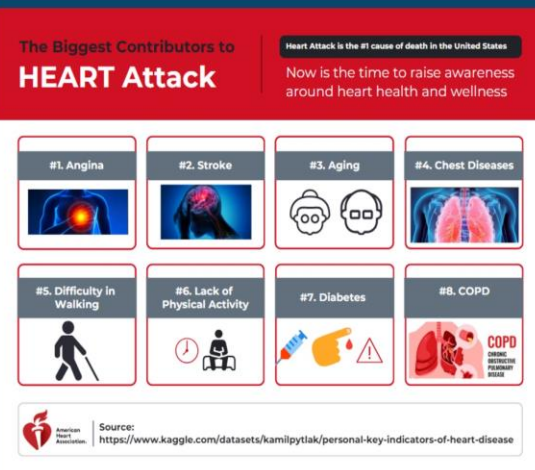
Is there a significant difference in the mean of Sleeping Hours between individuals who have had a heart attack and those who haven't?

Is there a significant difference in the mean of Mental Health Days between individuals who have had a heart attack and those who haven't?

DATASET

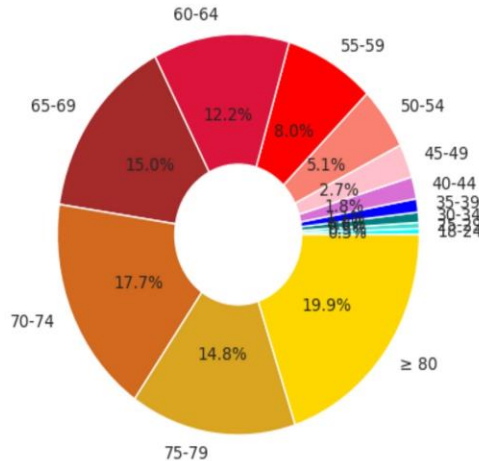
The dataset contains forty columns and 246,000 entries(rows)

Conclusion

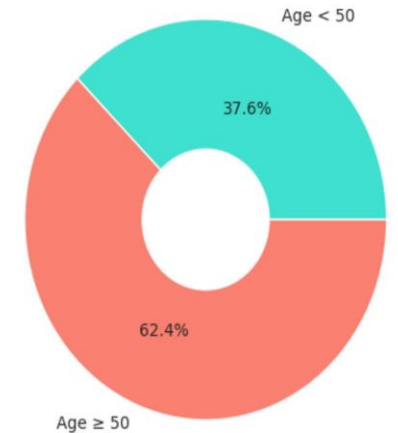


ANALYSIS

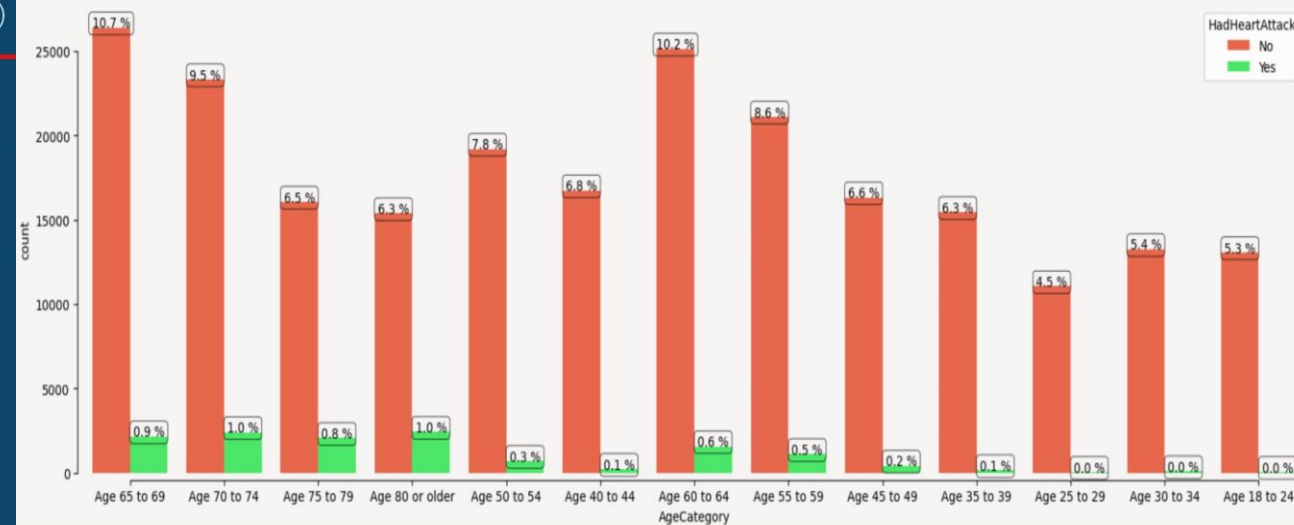
% Age Category of People with HD



% Age of Less Than 50 and the Complement of People with HD



AgeCategory Distribution with HeartDisease Hue



Insights: Older individuals are more expected to have heart Attack.

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