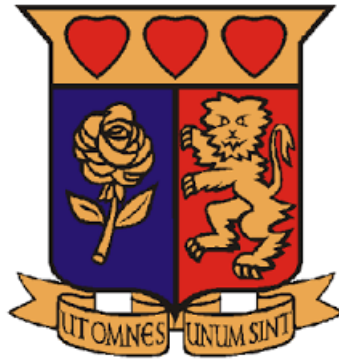


ARTIFICIAL INTELLIGENCE

STRATHMORE UNIVERSITY



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INTRODUCTION

According to the CDC, heart disease is one of the leading causes of death for people of most races in the US (African Americans, American Indians and Alaska Natives, and white people). About half of all Americans (47%) have at least 1 of 3 key risk factors for heart disease: high blood pressure, high cholesterol, and smoking. Other key indicators include diabetic status, obesity (high BMI), not getting enough physical activity or drinking too much alcohol. Detecting and preventing the factors that have the greatest impact on heart disease is very important in healthcare. Computational developments, in turn, allow the application of machine learning methods to detect "patterns" from the data that can predict a patient's condition.

Dataset

We will be using biking and smoking as our variable to determine the chances of getting heart disease and Linear regression to train our model

The model predicted with 0.88 accuracy. The model is more specific than sensitive.