**RESEARCH ESSAY**

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Select a Main Topic: (A topic related to big data and data analytics)

**Topic:** Data analytics in applications such as trade, marketing, healthcare, medical informatics, social science.

**Research Essay Title (20 words):**

Understanding cardiovascular disease using Data analytics.

**What is the purpose of the essay?**

Using data analytics to understand different factors that contribute to cardiovascular disease.

**Aim and Objectives (1 aim and multiple objectives?**

**Aim:**

To investigate the performance of decision tree in predicting a cardiovascular disease using the Cardio Dataset when compared with other classification methods.

**Objectives:**

1. Understand the dataset and its different factors.
2. Data cleansing to get a test dataset.
3. Use decision tree as a classification method.
4. Compare the output to other classification methods.
5. Use visualisations for better understanding.

**Who will benefit from your research essay?**

Student

Medical health community.

**Scope of your research (try to make it narrow):**

Use decision tree classification method and use the Cardio dataset only.

**What research question(s) are you trying to answer (only 1 question?)**

How decision tree classification method perform predicting a cardiovascular disease using the Cardio Dataset when compared with other classification methods?

* Dataset being used in called Cardio from Kaggle