PROJECT REPORT

CUSTOMER SEGMENTATIONS

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APPROACH

<u>EDA:</u> Created visualizations and use exploratory data analysis to remove duplicated and check data frame results

- Algorithm: K-Means (chose K=5 using the Elbow Method).
- <u>Feature Selection:</u> Used Annual Income and Spending Score as key variables.

Visualization:

• Scatter plots with clusters colored

CHALLENGES FACED:

The main issue was to find stable silhouette score using visualisations

TECHNIQUES AND IMPROVEMENTS:

- Use Optimal Number Of clusters to find silhoutte score
- Using elbow method to determine behaviour of model through visualisation