

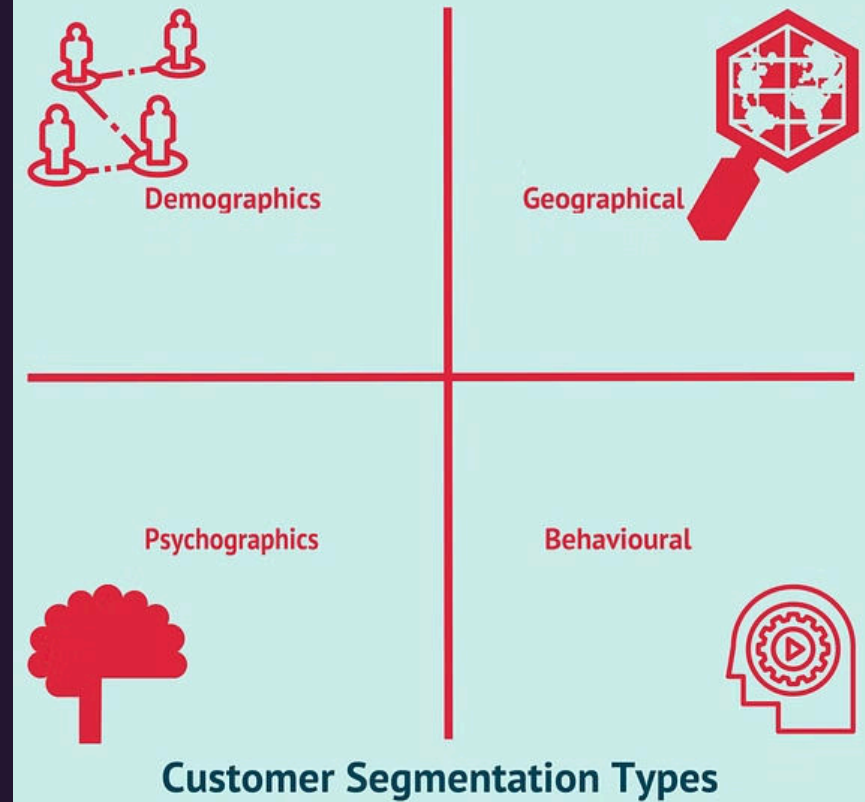
Introduction to Customer Segmentation Analysis

The aim of this data analytics project is to perform customer segmentation analysis to better understand and target different customer groups. By dividing the customer base into groups with similar traits, behavior, or other characteristics, businesses can tailor their marketing strategies, products, and services to meet the specific needs of each segment.

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Segmentation In A Nutshell

Marketing method that divides the customers in sub-groups, that share similar characteristics. Product, marketing and engineering teams can center the strategy from go to market and communication around each sub-group. Customer segments can be defined by various factors, such as demographics, geography, psychographics and more.



Project Objectives and Scope

1

Define Objectives

Set clear goals for the project, including what you aim to achieve through customer segmentation analysis.

2

Scope Definition

Determine the boundaries and constraints of the project to ensure a focused and effective analysis.

3

Stakeholder Alignment

Ensure that all stakeholders are aligned with the project's objectives and scope.

Data Collection and Preprocessing

Data Sources

Identify and gather data from various sources such as CRM systems, online transactions, and surveys.

Data Cleaning

Clean and prepare the collected data by handling missing values, outliers, and inconsistencies.

Feature Engineering

Create new features from the existing data to improve the performance of the segmentation model.



Problem
Understanding

Data
Preparation/
Exploration

Modelling

Evaluation

Deployment

Exploratory Data Analysis

1 Data Visualization

Visualize and explore the data to identify patterns, trends, and correlations.

Input: Raw Data

2 Descriptive Statistics

Calculate summary statistics to understand the distribution and characteristics of the data.

3 Segmentation Variables

Output: Enriched Data
Identify key variables which are important for the segmentation analysis.

Data
Visualization



SAP



Customer Segmentation Techniques



Cluster Analysis

Group customers based on similarities in their attributes and behavior.



Regression Analysis

Assign scores to customers based on their predicted value or behavior.

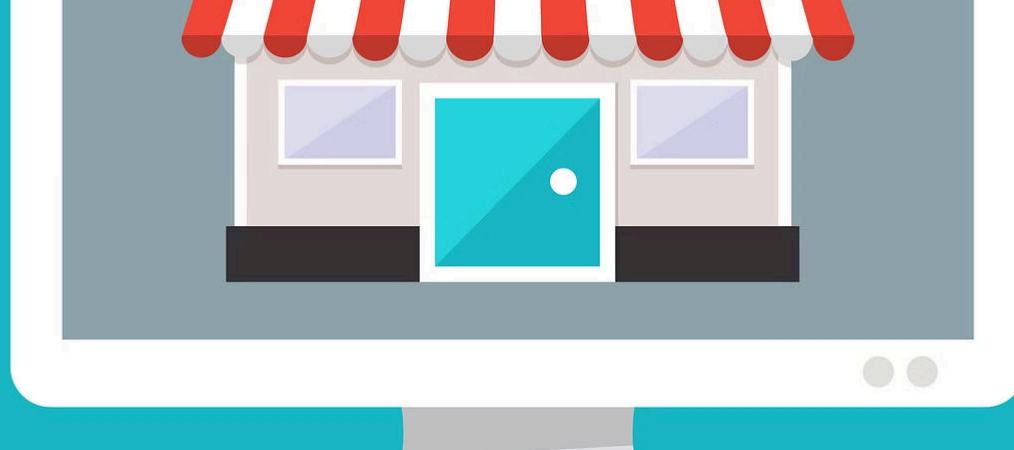


Decision Tree Analysis

Split customers into segments based on a set of rules and conditions.

Results and Insights

Segment	Characteristics	Marketing Strategy
Segment 1	High spenders with low frequency	Target with personalized offers and incentives
Segment 2	Occasional buyers with high loyalty	Focus on retention and loyalty programs
Segment 3	New customers with varied behavior	Implement onboarding programs and product education



Business Recommendations

Personalized Marketing

Utilize the segmentation insights to craft customized marketing campaigns for each customer group.

Loyalty Programs

Implement loyalty rewards and incentives designed to retain and engage high-value customers.

Customer Journey Mapping

Map the customer journey for each segment to optimize touchpoints and interactions.

Conclusion and Next Steps

1

Analyze Outcomes

Review the impact of the implemented strategies to monitor the effectiveness of the segmentation.

2

Refine Segmentation Model

Continuously refine the segmentation model based on new data and evolving customer behaviors.

3

Expand Segmentation

Consider expanding the analysis to include newer customer data and additional segmentation variables.

