Lesson 01 Demo 04

Generate an EDA Report Based on a Sample Large Dataset

Objective: To generate an EDA report based on a sample large dataset

Tools required: Julius AI

Prerequisites: None

Steps to be followed:

1. Download the Dataset
2. Upload the Dataset to Julius AI
3. Perform EDA Using Julius AI

Step 1: Download the Dataset
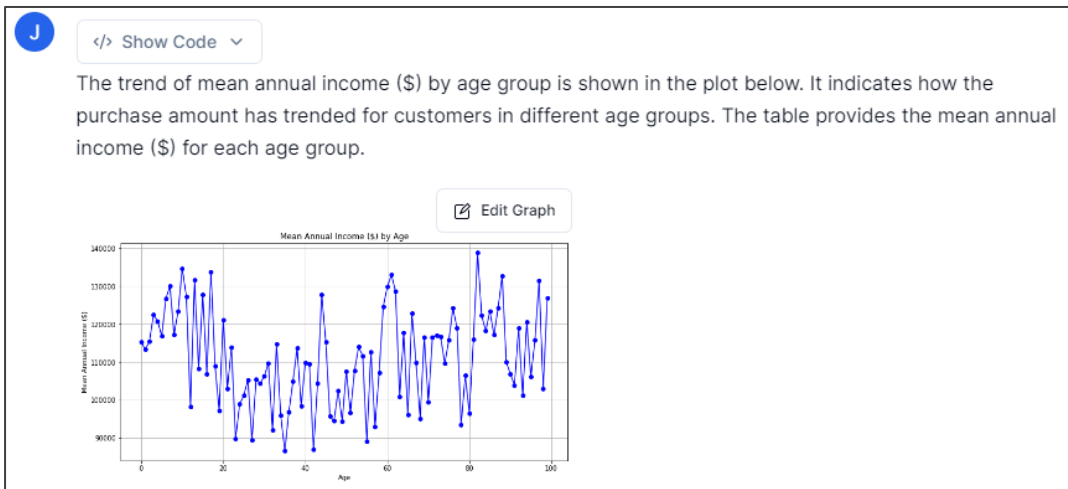
1.1 Download customer.csv from the reference materials

Step 2: Upload the Dataset to Julius AI

Step 3: Perform EDA Using Julius AI

3.1 Create prompts to perform EDA on the given dataset uploaded on Julius AI

Prompts:

1. What is the trend in purchase amounts among customers across various age groups?

Here are the first few rows of the mean annual income ($) by age group:

- Age 0: $115,200.29
- Age 1: $113,246.96
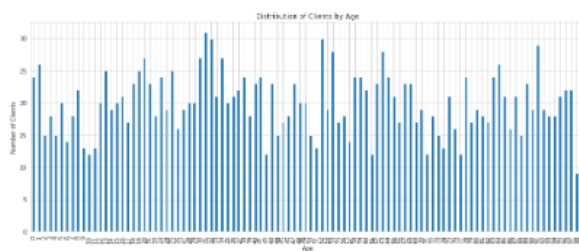- Age 2: $115,497.60
- Age 3: $122,450.50
- Age 4: $120,743.27

This information provides an overview of how purchase amounts have trended for customers in different age groups based on their mean annual income.

2. How diverse are the age groups of customers?

</> Show Code ∨

The distribution of clients by age is visualized in the bar chart below. It shows the number of clients in each age group, providing an overview of the diversity across different age groups.

Distribution of Clients by Age

⊞ Edit Graph

⭳ Download