

Data Intake Report

Overview

Data Intake Report

Overview

This report provides an overview of the data used for the analysis. The data includes details of transactions for two cab companies, customer demographics, transaction mapping, and city information.

Datasets

1. **Cab_Data.csv**: Contains details of transactions for two cab companies.
2. **Customer_ID.csv**: Contains demographic details of customers.
3. **Transaction_ID.csv**: Maps transactions to customers and their payment modes.
4. **City.csv**: Contains information about various US cities.

Data Cleaning

No missing values or duplicate entries were found in any of the datasets.

Data Transformation

The datasets were merged to create a comprehensive master dataset. The merging steps are as follows:

Data Intake Report

1. Merged `Cab_Data` with `Transaction_ID` on `Transaction ID`.
2. Merged the resulting dataset with `Customer_ID` on `Customer ID`.
3. Merged the resulting dataset with `City` on `City`.

Master Dataset

The master dataset contains the following columns:

- Transaction ID
- Date of Travel
- Company
- City
- KM Travelled
- Price Charged
- Cost of Trip
- Customer ID
- Payment Mode
- Gender
- Age
- Income (USD/Month)
- Population
- Users

The master dataset is ready for exploratory data analysis and hypothesis testing.