Data Intake Report

Name: G2M Cab Investment Project

Report date: January 20th, 2023

Internship Batch: LISUM17

Version: 1.0

Data intake by: Amogh Vig

Data intake reviewer: N/A

Data storage location: <https://github.com/avig00/DataSets>

**Tabular data details:**

**File name: Cab\_Data.csv**

|  |  |
| --- | --- |
| **Total number of observations** | 359392 |
| **Total number of files** | 1 |
| **Total number of features** | 7 |
| **Base format of the file** | .csv |
| **Size of the data** | 21.2 MB |

**File name: City.csv**

|  |  |
| --- | --- |
| **Total number of observations** | 20 |
| **Total number of files** | 1 |
| **Total number of features** | 3 |
| **Base format of the file** | .csv |
| **Size of the data** | 759 bytes |

**File name: Customer\_ID.csv**

|  |  |
| --- | --- |
| **Total number of observations** | 49171 |
| **Total number of files** | 1 |
| **Total number of features** | 4 |
| **Base format of the file** | .csv |
| **Size of the data** | 1.1 MB |

**File name: Transaction\_ID.csv**

|  |  |
| --- | --- |
| **Total number of observations** | 440098 |
| **Total number of files** | 1 |
| **Total number of features** | 3 |
| **Base format of the file** | .csv |
| **Size of the data** | 9 MB |

**Proposed Approach:**

* Duplicate rows were removed for each raw data file using the .drop\_duplicates() function of Pandas.
* To remove NA values from the data, using the .drop\_na() function of Pandas was used.
* A key assumption made for the analysis is that profits can be calculated using only the cost of the trip and the price charged for the trip, no other factors are accounted for when calculating profit.
* The “Price Charged” feature of the raw cab data (Cab\_Data.csv) did appear to have some outliers. However, due to having insufficient evidence to prove that these outliers were mistakes, they were included in the analysis so that the provided data set is fully represented.