

Data Intake Report

Name: Gao Mo

Report date: 11/15/2023

Internship Batch:LISUM27

Version: Week 2

Data intake by: Gao Mo

Data intake reviewer:

Data storage location: [https://github.com/DavidMo113/Data-Glacier-Intern-/tree/main/](https://github.com/DavidMo113/Data-Glacier-Intern-/tree/main/Week%202)

Week%202

Tabular data details:

Cab_Data

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	21.2MB

Tabular data details:

City

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	759B

Tabular data details:

Customer_ID

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	1.05MB

Tabular data details:

Transaction_ID

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	9MB

Proposed Approach:

Hypothesis 1: Is there a trend indicating which company has the highest profits in different cities?

Hypothesis 2: Is there a trend indicating which company has the highest distance travelled in different cities?

Hypothesis 3: Is there a trend indicating which company has the highest amount of transactions in different cities ?

Hypothesis 4: Is there a trend indicating which company's profit gain has changed overtime ?

Hypothesis 5: Is there a trend indicating which company has the highest average user income in different cities ?

Result:

It appears that the Yellow Cab company has a higher profit gain than Pink Cab across all cities during the period from January 31, 2016, to December 31, 2018. Concurrently, Yellow Cab has more transactions and a higher amount of distance traveled in each city, indicating that Yellow Cab is more active than Pink Cab. Moreover, Yellow Cab does not show a trend of diminishing values in the last 150 days in terms of profit gain. Finally, the quality of the users is similar between Yellow Cab and Pink Cab. Therefore, it is more advisable to invest in Yellow Cab.