Deliverable 1

1.a) **Team:** Akshdeep Singh Rajawat, Dhvani Patel, Prasenjeet Paul, Rajat Maheshwari, Rishabh Mehta.

1.b) **Artifact Repository:** Using click-me tool to manage tasks, collaborate, and communicate. (https://app.clickup.com/).

2.) Selection of domain and data from the Open Data Registry for Amazon Web Services:

Data of trips taken by taxis and for-hire vehicles in New York City (https://registry.opendata.aws/nyc-tlc-trip-records-pds/).

3.) Business Problem or Opportunity, Domain Knowledge:

New York City has millions of taxi trips taken every month. The yellow and green taxi trip records include fields capturing pick-up and drop-off dates/times, pick-up and drop-off locations, trip distances, itemized fares, rate types, payment types, and driver-reported passenger counts.

Business opportunity /objective here is to maximize the profits of taxi drivers by analyzing the data.

4) Research Objectives and Question(s) (what you are trying to describe or predict with the data):

1. Which days are the busiest days?

2. What time of the days are busiest?

3. Which time of the day do passengers tip the most?

4. Which areas have the highest number of riders?

5. Which area passengers tip the most?

6. Which trip areas can help drivers generate the most amount of revenue?