

The background features a dark blue gradient with faint, light blue circular patterns. On the left side, there are several concentric circles with degree markings ranging from 40 to 260. Some of these circles have arrows indicating a clockwise direction. The overall aesthetic is technical and modern.

資料庫系統概論 期末報告

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Main Idea

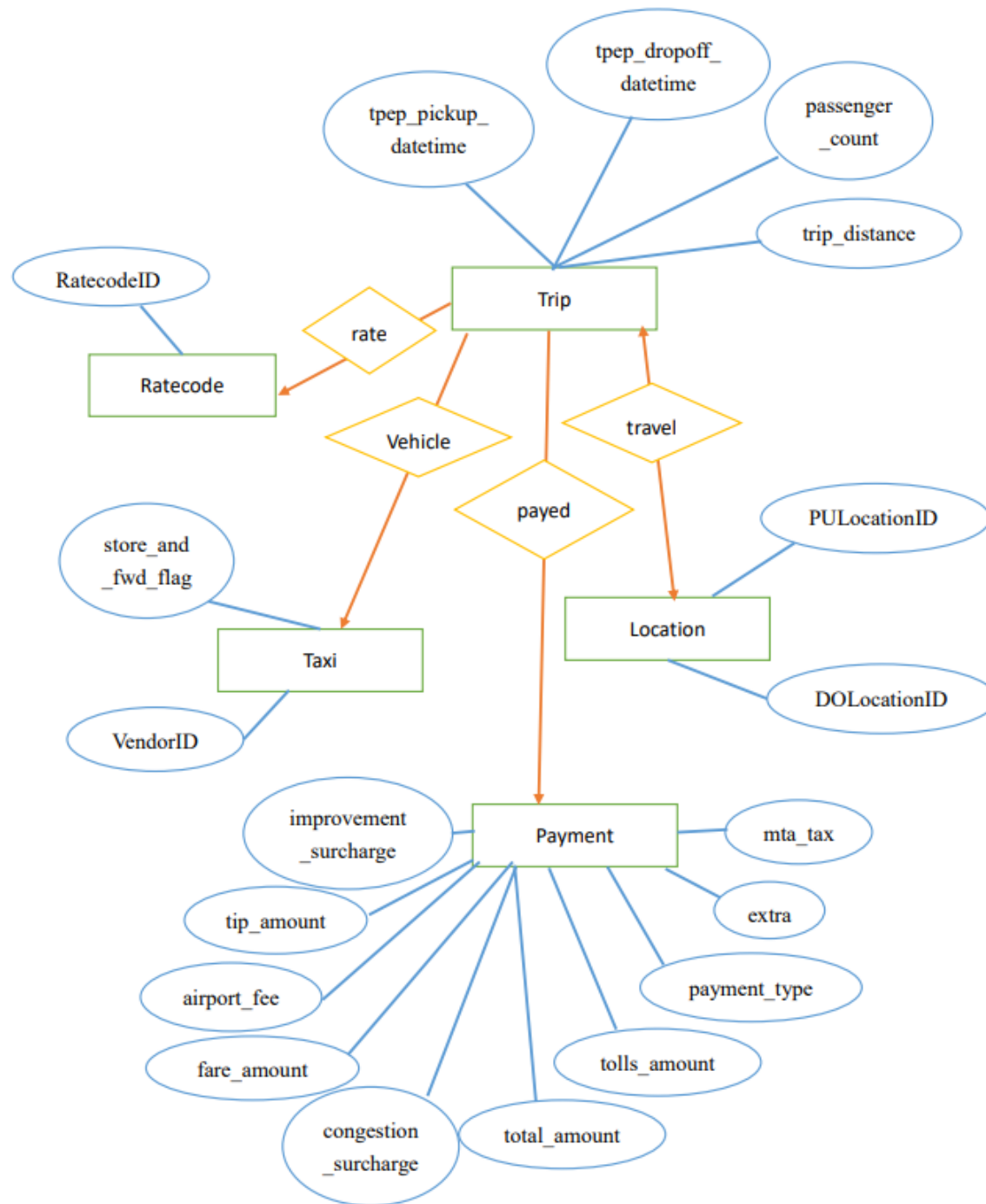


- NYC Taxi Insights
 - Enhance users' comprehension of taxi activity patterns and evolving demand in New York City.

Dataset

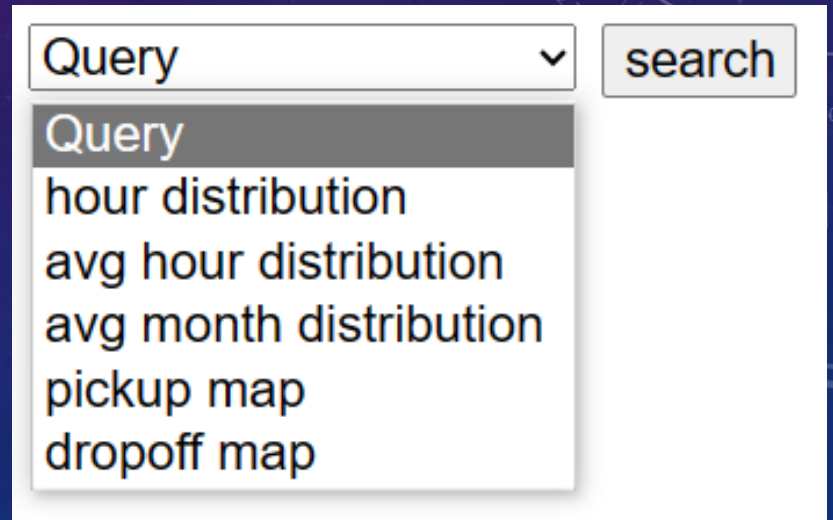
- Pick-up and drop-off dates/times, pick-up and drop-off locations, trip distances, itemized fares, rate types, payment types, and driver-reported passenger counts.
- In New York City in 2022.
- Source: The official website of the City of New York
(<https://www.nyc.gov/site/tlc/about/tlc-trip-record-data.page>)

ER model



Application

- Hour distribution
- Average of hour distribution
- Average of month distribution
- Pickup map
- Dropoff map



Query ▼ search

Query

hour distribution

avg hour distribution

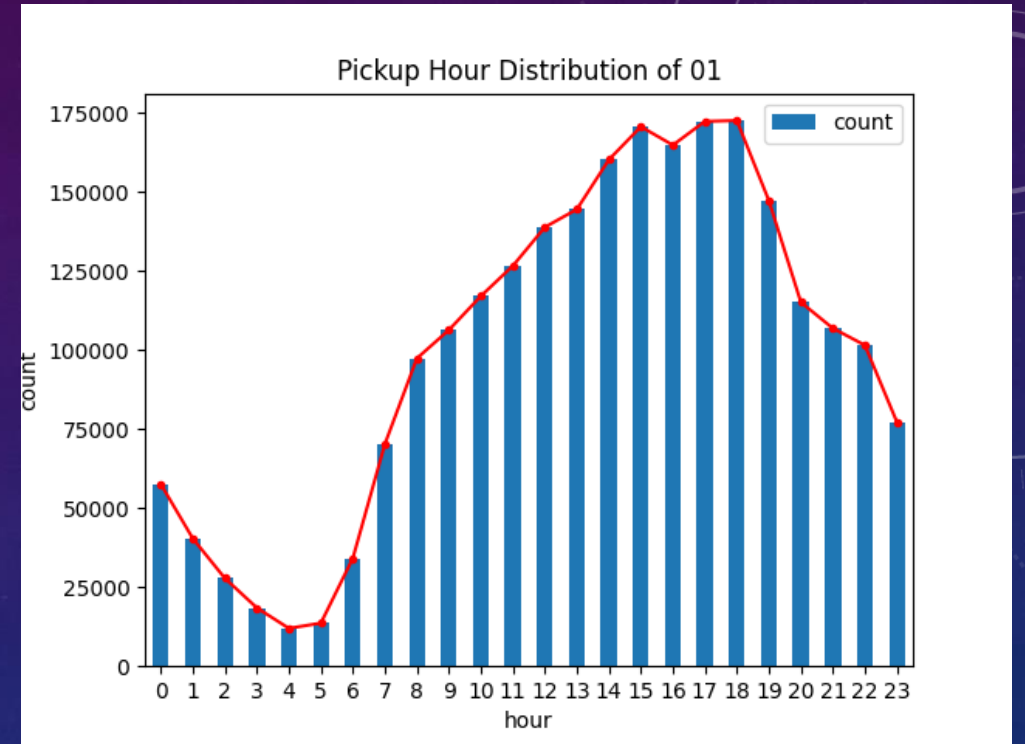
avg month distribution

pickup map

dropoff map

Application

- Hour distribution
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- Average of month distribution
- Pickup map
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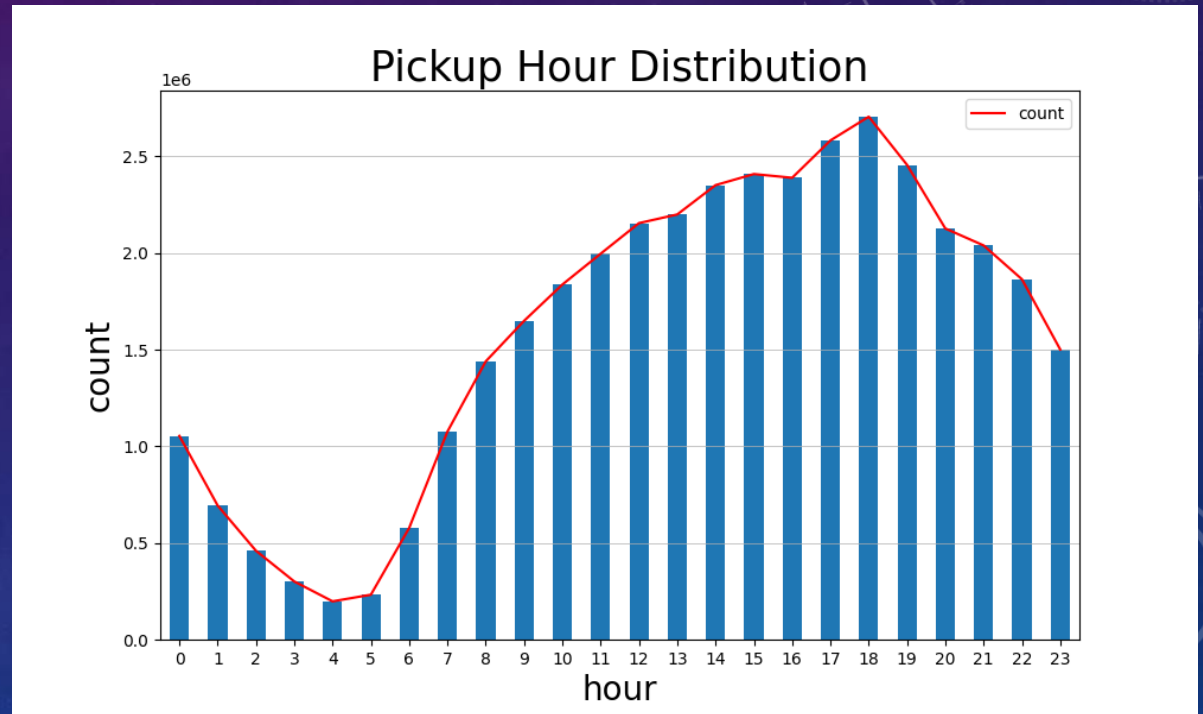
Application

- Hour distribution
- Average of hour distribution
- Average of month distribution
- Pickup map
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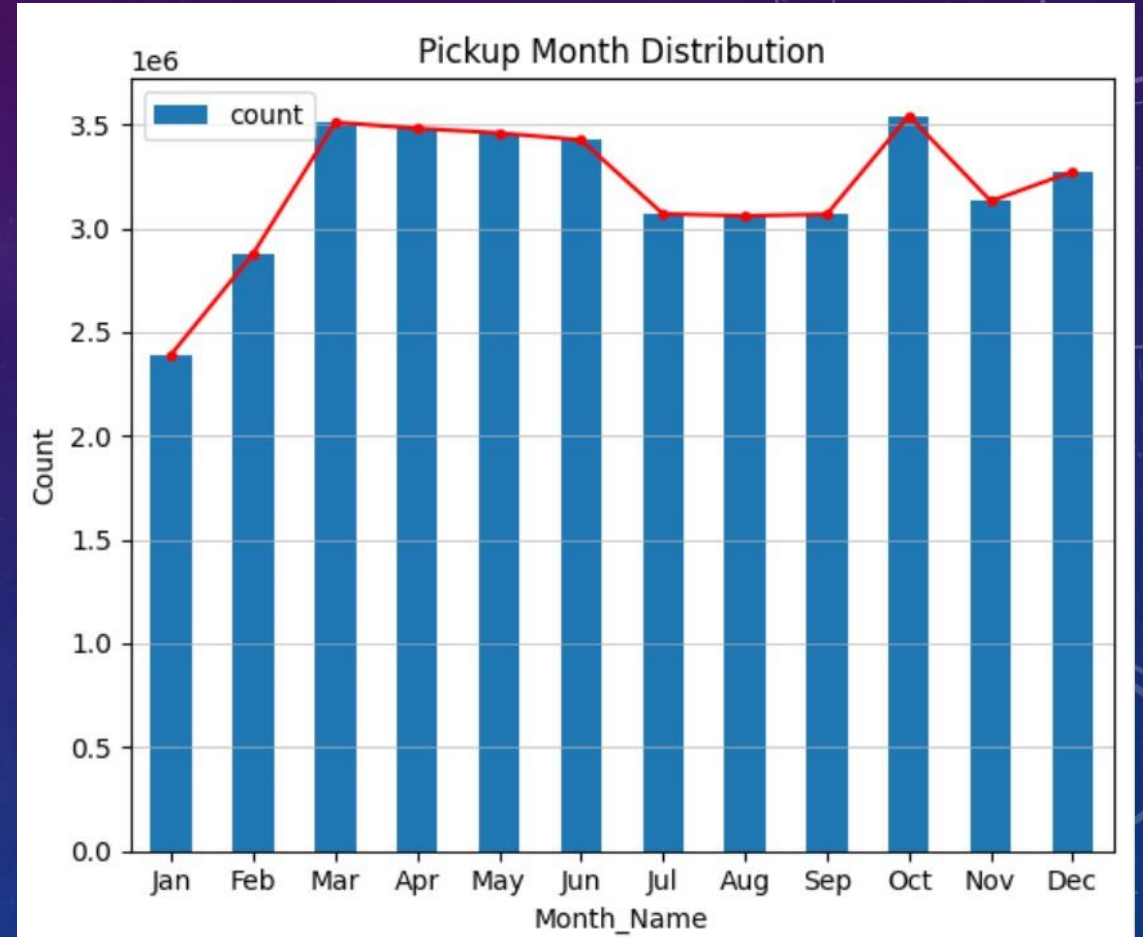
Application

- Hour distribution
- **Average of hour distribution**
- Average of month distribution
- Pickup map
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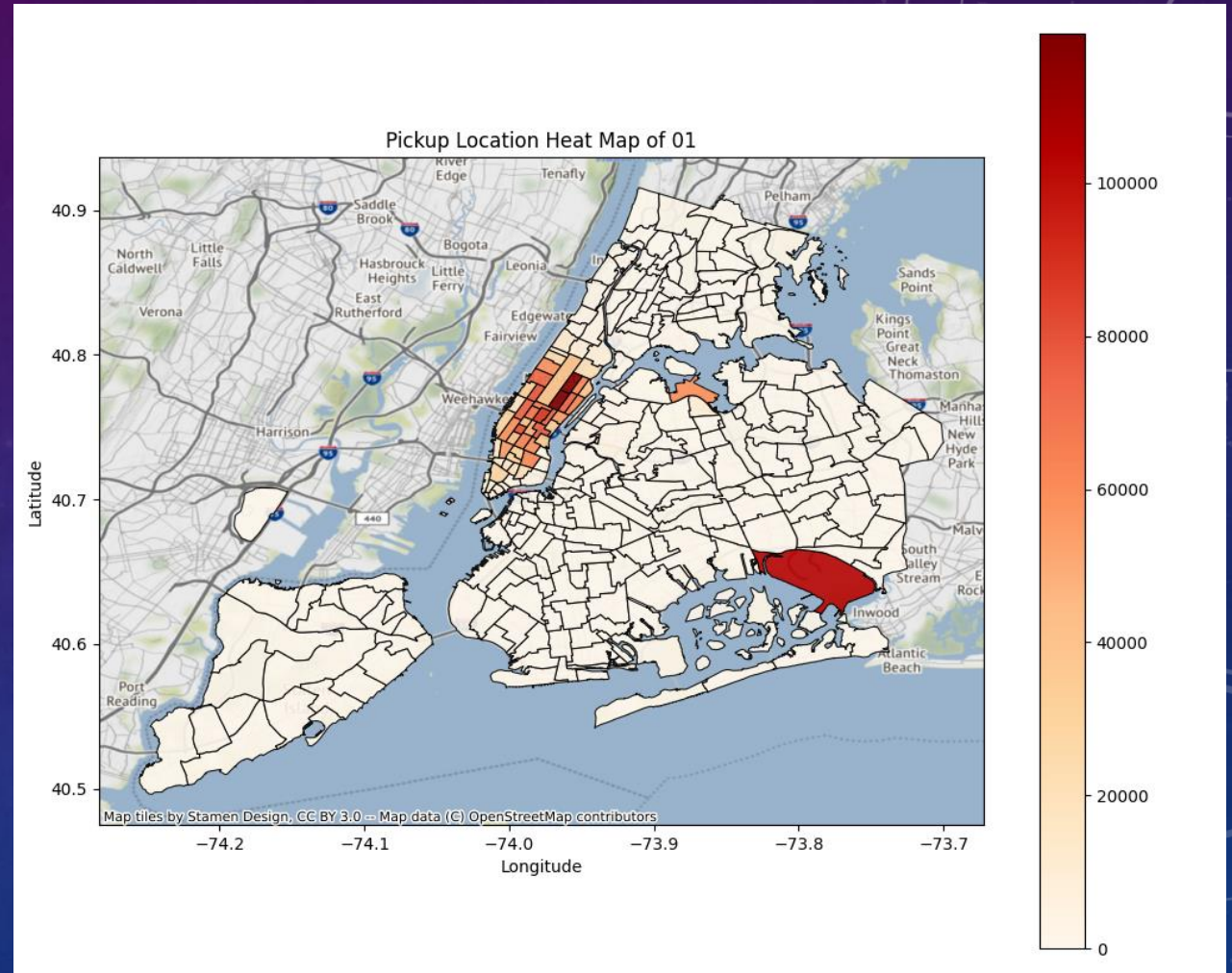
Application

- Hour distribution
- Average of hour distribution
- **Average of month distribution**
- Pickup map
- Dropoff map



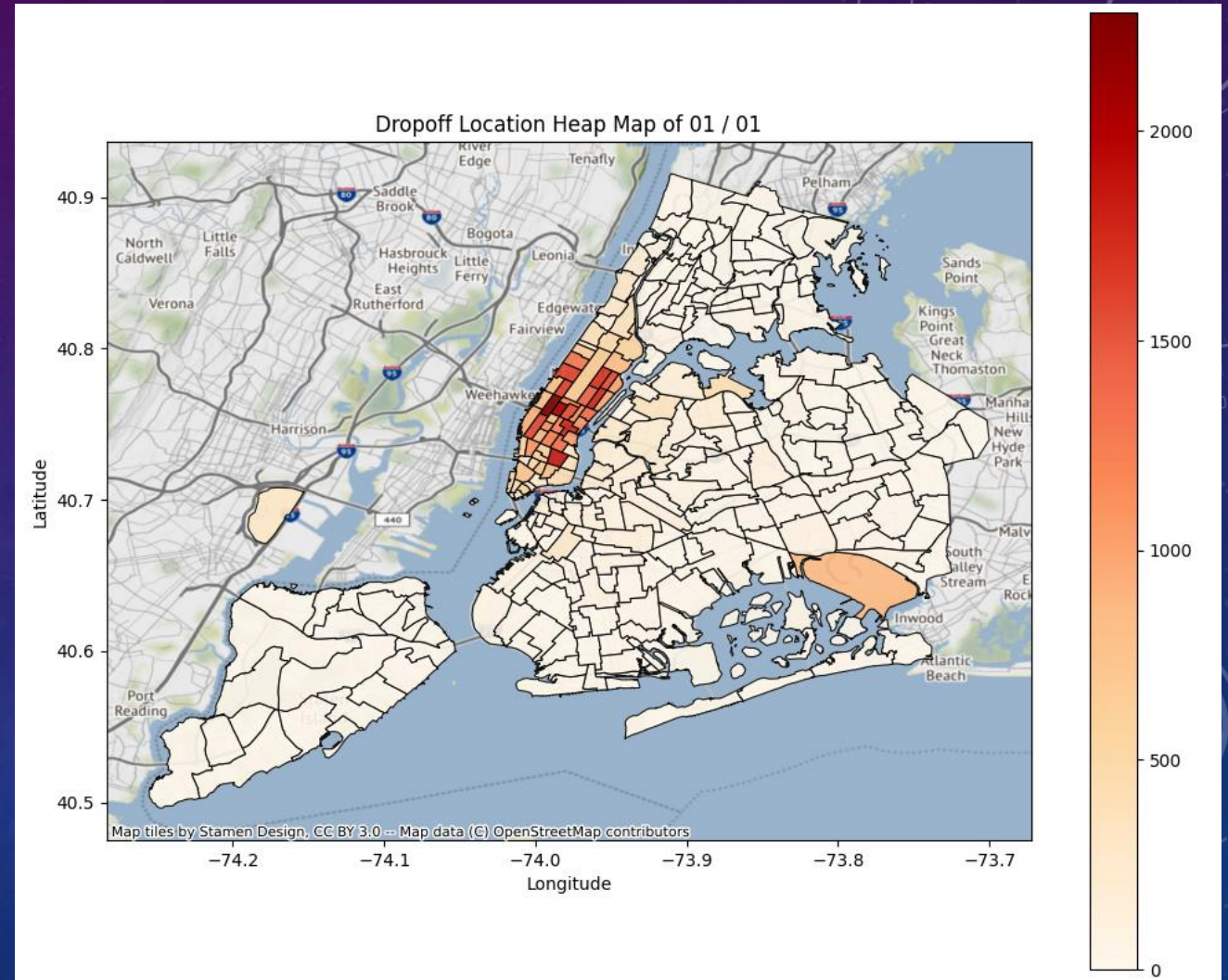
Application

- Hour distribution
- Average of hour distribution
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- **Pickup map**
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Application

- Hour distribution
- Average of hour distribution
- Average of month distribution
- Pickup map
- **Dropoff map**





User Input



User Input



Data Collection and Processing



User Input



Data Collection and Processing



Data Analysis and Computation



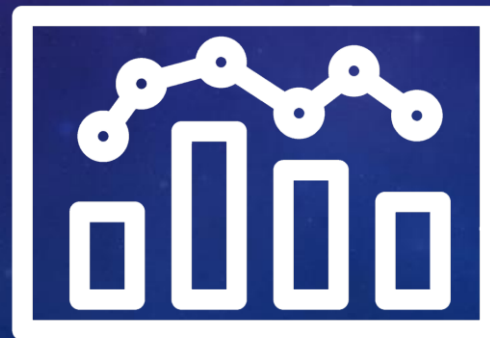
User Input



Data Collection and Processing



Data Analysis and Computation



Result Display

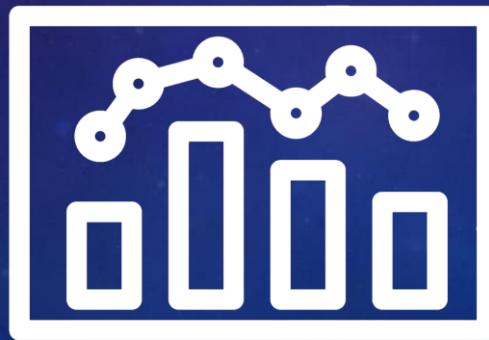




Data Collection and Processing



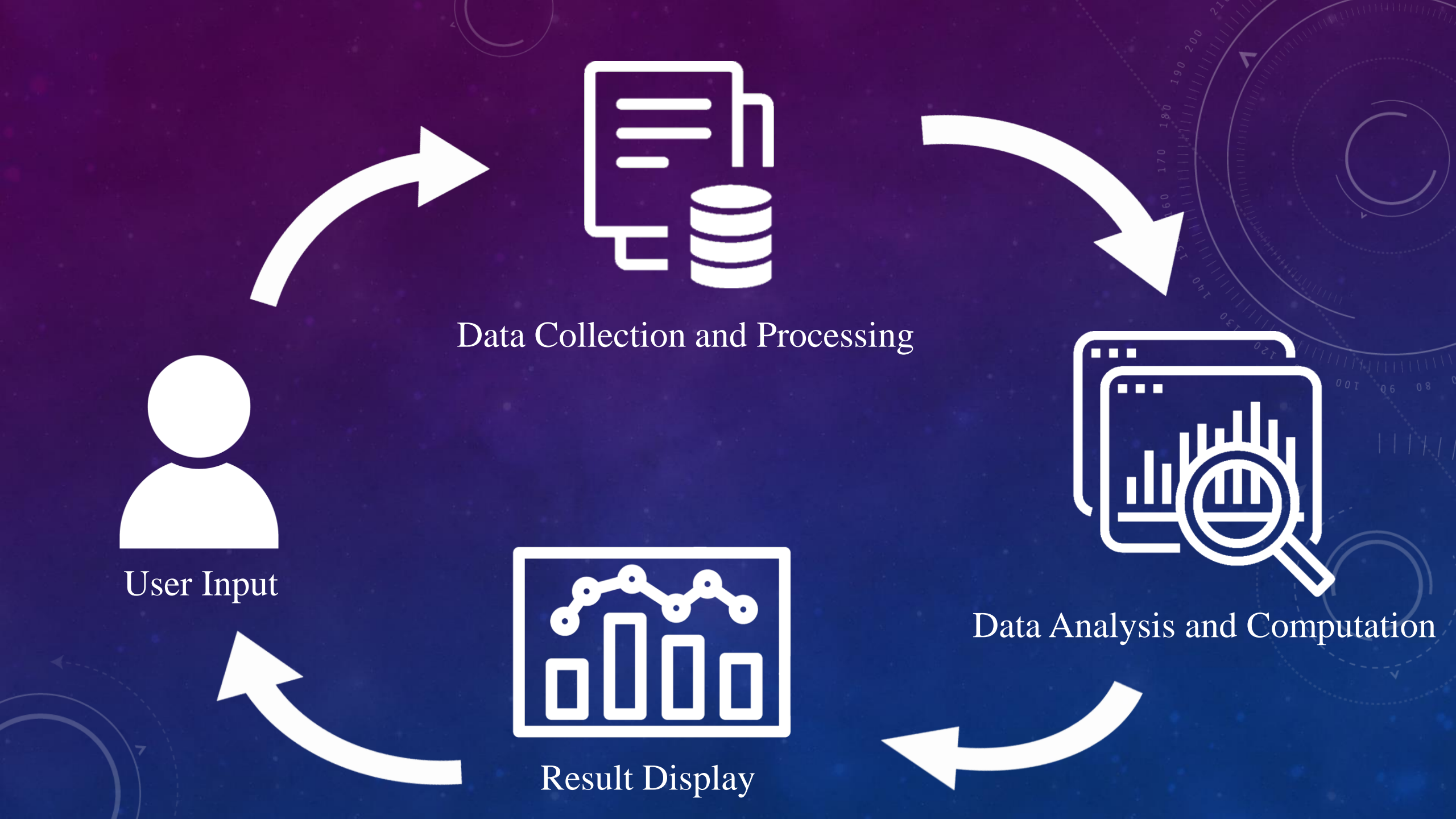
Data Analysis and Computation



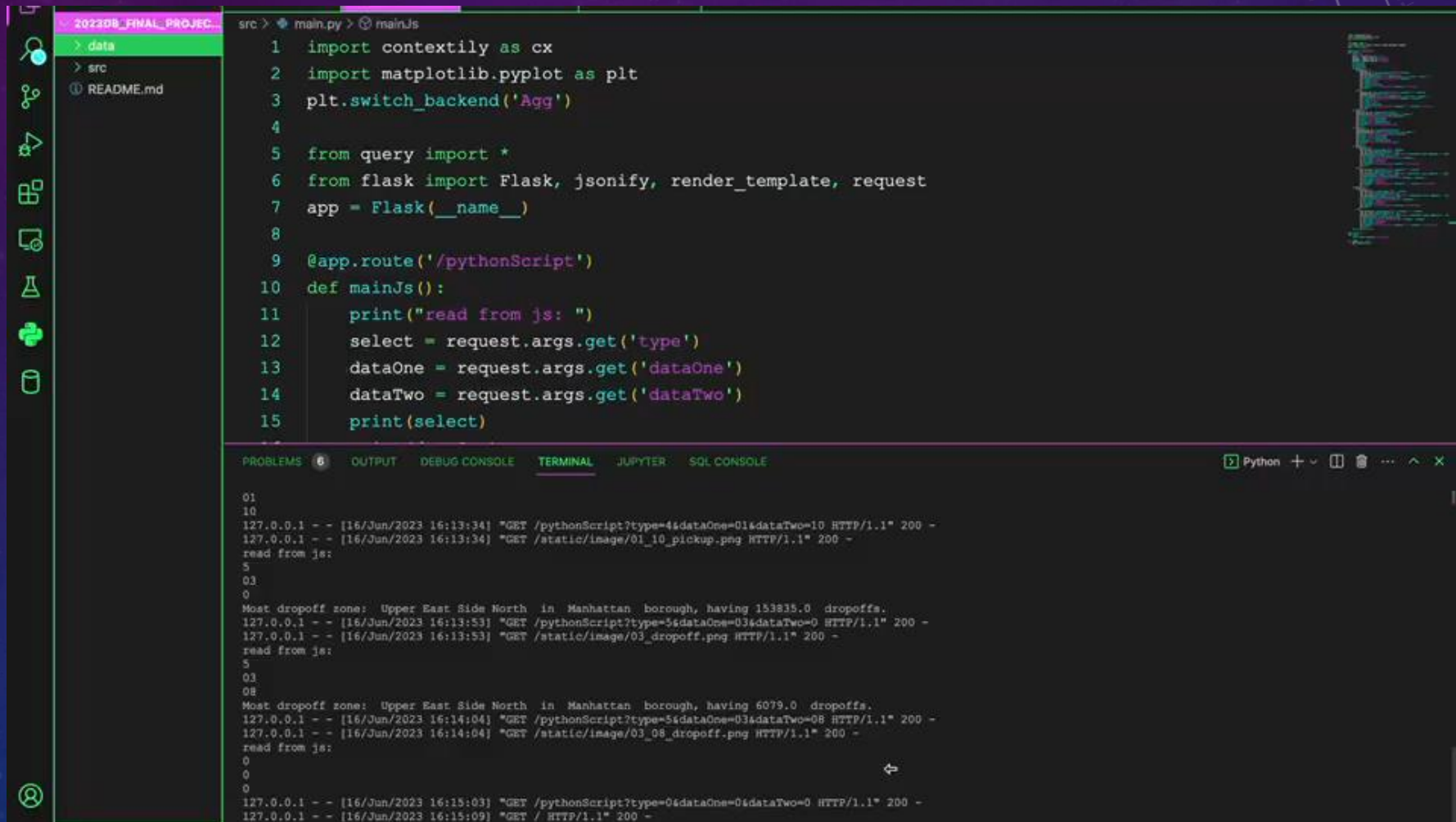
Result Display



User Input



Demo



Contribution

- 荊姿芸
 - 後端、report
- 陳俊鴻
 - 連結前後端、report、demo
- 陳光悅
 - 前端、presentation