**Uber Eats Delivery Analysis**

**Project Overview**

This project studies Uber Eats delivery trends using simple data analysis and visual tools. The app is made with **Streamlit**, allowing users to check **delivery times, traffic effects, and group similar deliveries**. The data is cleaned to fix errors, format numbers correctly, and remove missing values before creating charts and patterns.

**Process**

The project starts by collecting and cleaning the dataset (uber\_eats\_deliveries.csv). This involves fixing missing values, converting text-based numbers into actual numbers, and making sure all information is correctly formatted. Once the data is ready, the **Streamlit application** (app.py) is created to show key insights. Users can view graphs like histograms for delivery times, box plots for traffic impact, and filters to explore data by city.

A **K-Means clustering model** is also used to group deliveries based on time, delivery person age, and ratings. This helps in understanding patterns in delivery efficiency. Finally, the project is set up for easy access by listing required libraries in requirements.txt, uploading it to **GitHub**, and deploying it on **Streamlit Community Cloud** so anyone can use it online.

**Deployment**

To deploy the project on Streamlit, I first uploaded my project files to GitHub. Then, I went to [Streamlit Community Cloud](https://share.streamlit.io/) and clicked on "New App." After selecting "From GitHub," I linked my repository and deployed the app.py file, making the application live and accessible to users.