

Project: FoodHub: Data-Driven Insights for Enhanced Customer Experience

Covered Skills and Tools

- Commenced the analysis by providing an overview of the dataset, including its shape and datatypes. Conducted a statistical summary to gain initial insights and performed a comprehensive check for missing values, addressing any data quality issues encountered.
- Explored all relevant variables in the dataset, offering detailed observations on their distributions. Utilized appropriate visualizations to depict the nature and spread of key variables such as cuisine type, cost, day of the week, rating, food preparation time, and delivery time, answering all key questions related to this section.
- Performed an in-depth bivariate and multivariate analysis to uncover relationships between important variables. Investigated how variables such as cuisine type, cost, and day of the week influenced customer ratings and delivery times, employing a range of visual analysis tools and statistical methods to draw meaningful conclusions.
- Utilized appropriate and effective visualizations throughout the analysis to illustrate the relationships and patterns within the data. This visual approach not only made the findings more accessible but also facilitated a deeper understanding of the complex interplay between different variables.
- Concluded the analysis with key insights and observations derived from the exploratory and inferential analysis. Highlighted actionable recommendations for FoodHub to improve their service offerings, optimize delivery times, and tailor the customer experience based on cuisine preferences and ordering patterns.
- Ensured the analysis was well-structured, with a logical flow that was easy to follow. Maintained a high standard of clarity and crispness throughout the presentation of findings, with well-commented code to elucidate the analytical processes undertaken. Covered all key insights and recommendations, providing a comprehensive view of potential areas for business improvement based on data-driven evidence.