DELIVERABLE - 2

DELIVERABLE - 2

The dataset is centered on airline passenger satisfaction, encompassing a range of attributes such as gender, age, customer type, travel class, and flight distance. It differentiates types of travel into personal and business categories. The dataset offers detailed ratings for various services, including inflight wifi, seat comfort, food and drink, and cleanliness. Additionally, it provides ratings for specific services like inflight entertainment, on-board service, leg room service, baggage handling, check-in service, and inflight service, presenting a comprehensive view of the passenger's travel experience.

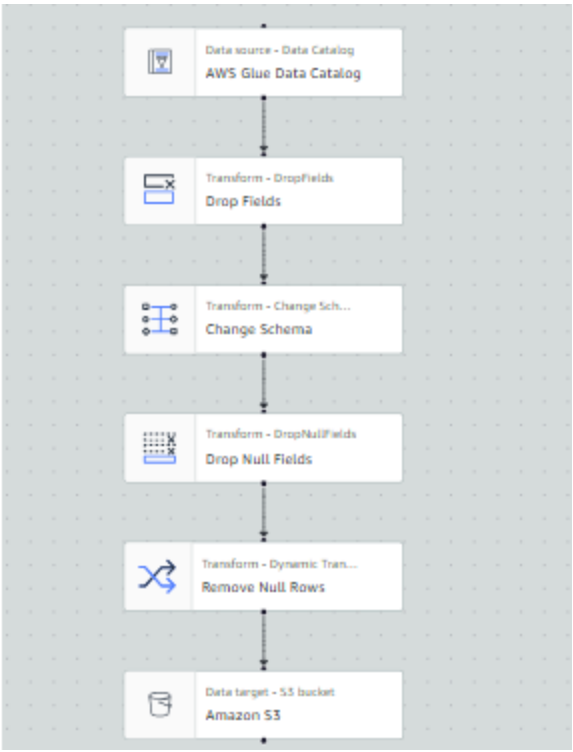
Flight delays are recorded in terms of departure and arrival delay minutes, shedding light on their impact on passenger satisfaction. The overall satisfaction level of passengers is categorized as either 'satisfied' or 'neutral or dissatisfied'. This data is crucial for airlines to analyze and predict factors influencing passenger satisfaction, making it an essential tool for market research, customer experience management, and service quality improvement in the aviation industry. The dataset's comprehensive nature makes it invaluable for understanding passenger preferences and improving airline services.

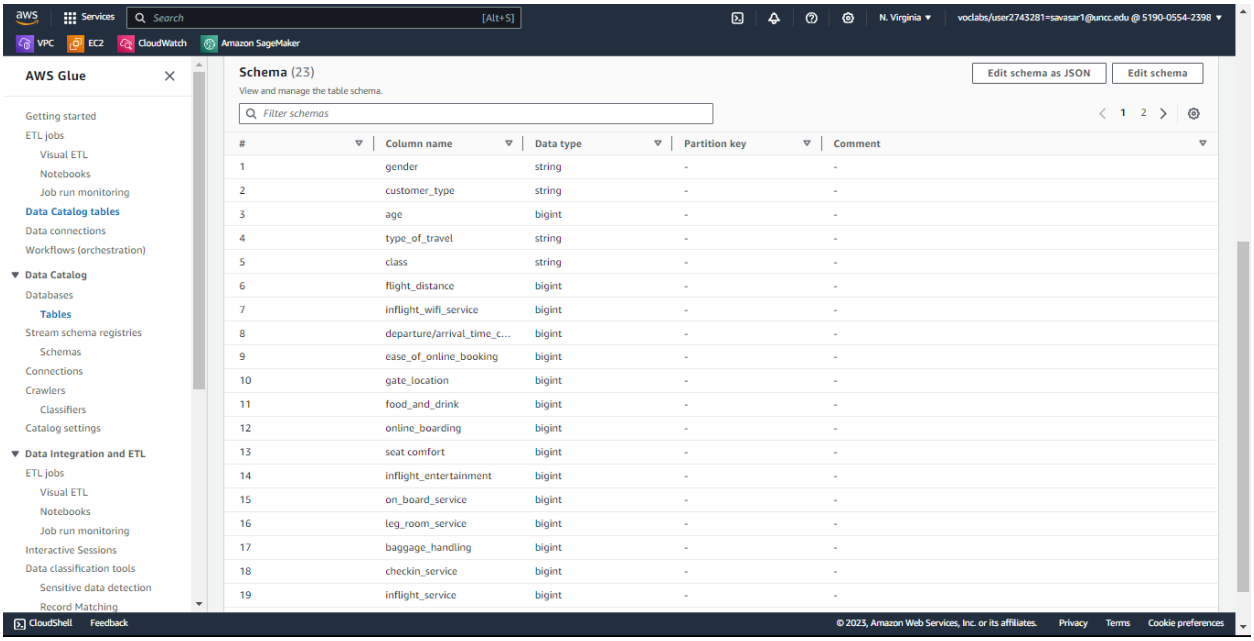
Data Understanding

We employed AWS Glue for schema discovery and data type definition, ensuring our dataset's structure was accurately recognized and categorized. Then we used Glue crawler for refining the dataset schema, allowing for precise categorization and organization of data fields. For in-depth querying and extracting insights, AWS Athena was used. This enabled us to perform comprehensive data analysis efficiently, allowing for complex queries and data aggregations.This approach not only streamlined our data analysis process but also enhanced the accuracy and relevance of the insights gained, proving crucial for informed decision-making and strategic planning Additionally, we utilized AWS QuickSight for data visualization. QuickSight's powerful visualization tools provided an intuitive interface for exploring and presenting the data, making it easier to identify patterns, trends, and correlations. This visual approach to data analysis enhanced our ability to gain insights, allowing us to make more informed decisions and develop effective strategies based on the dataset.

DELIVERABLE - 2

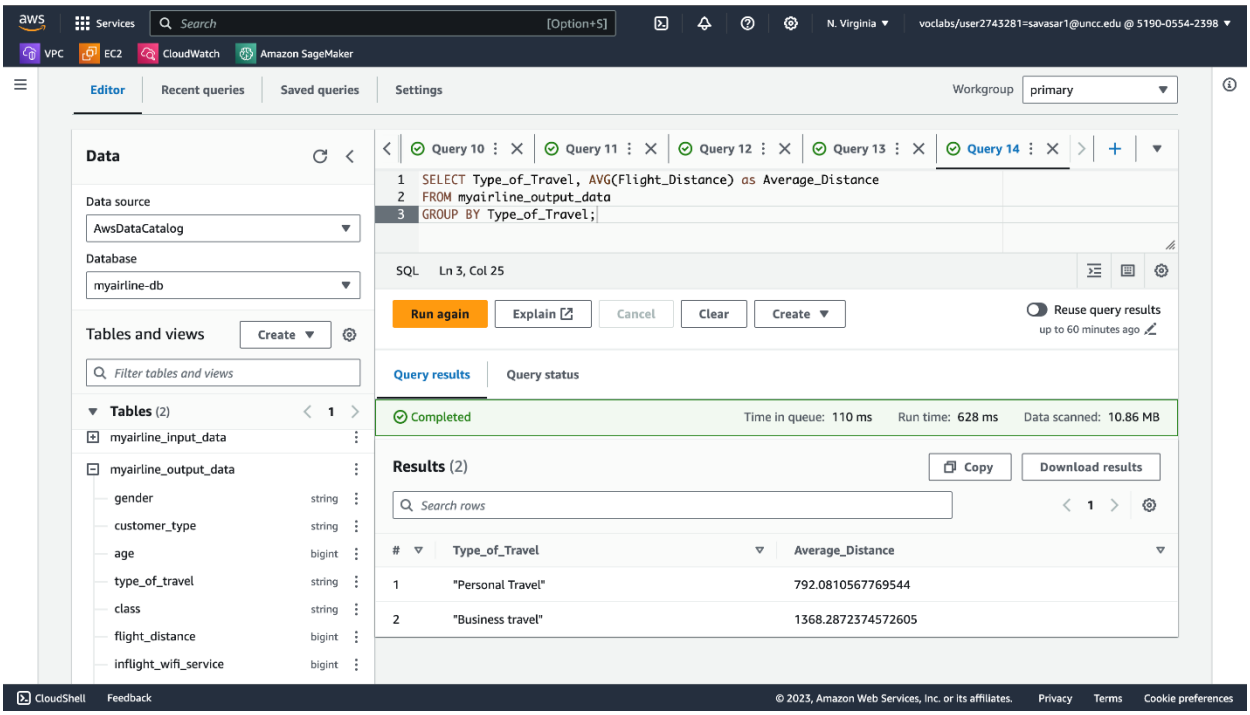
AWS GLUE PIPELINE

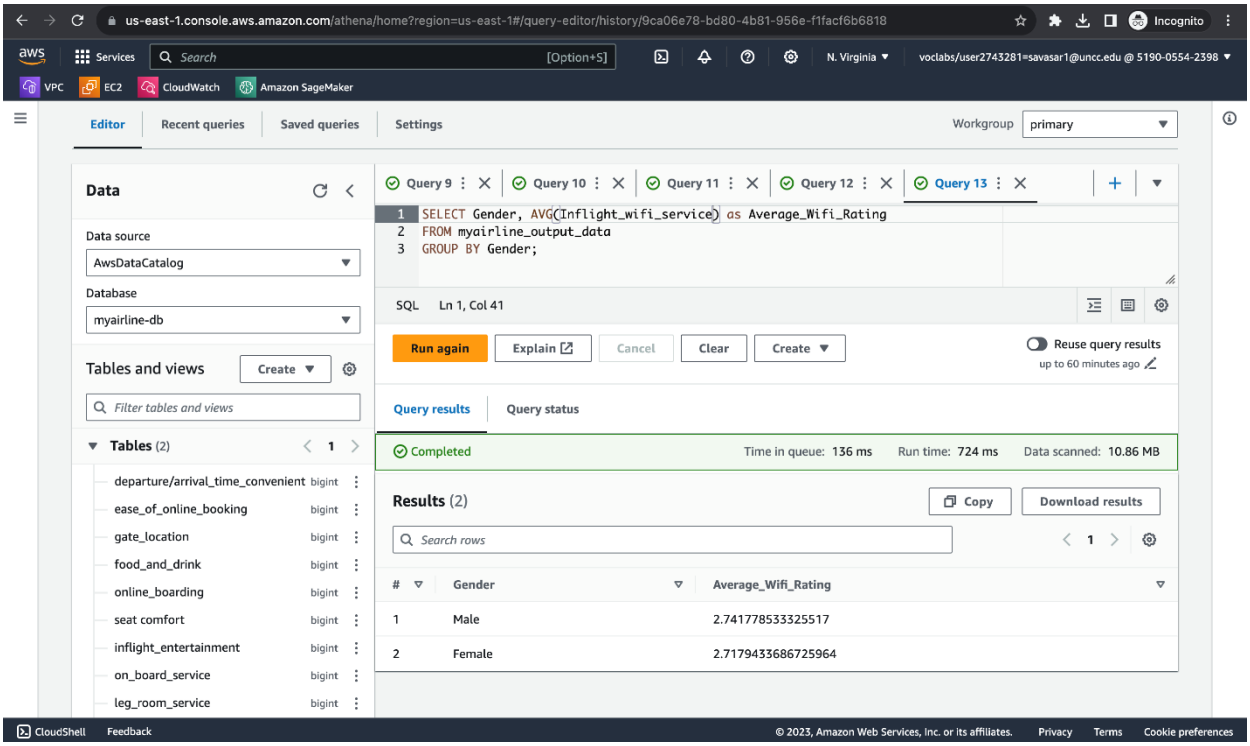




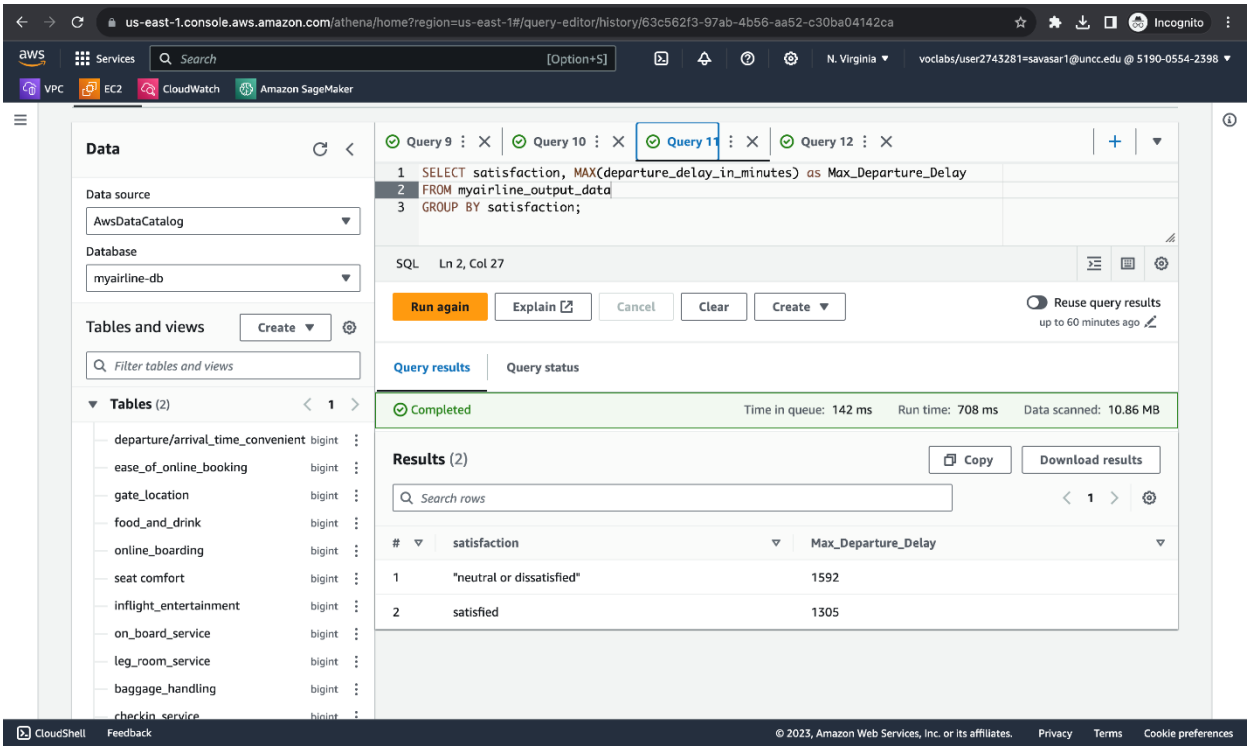
DELIVERABLE - 2

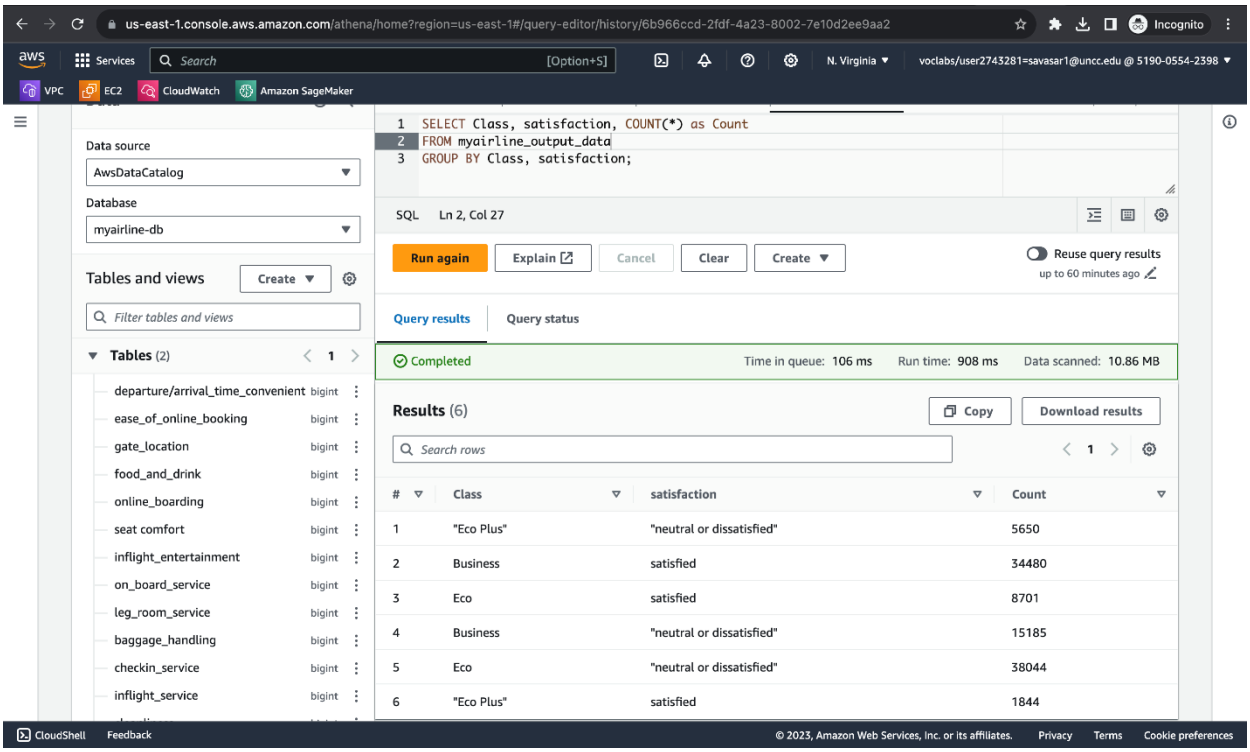
AWS ATHENA



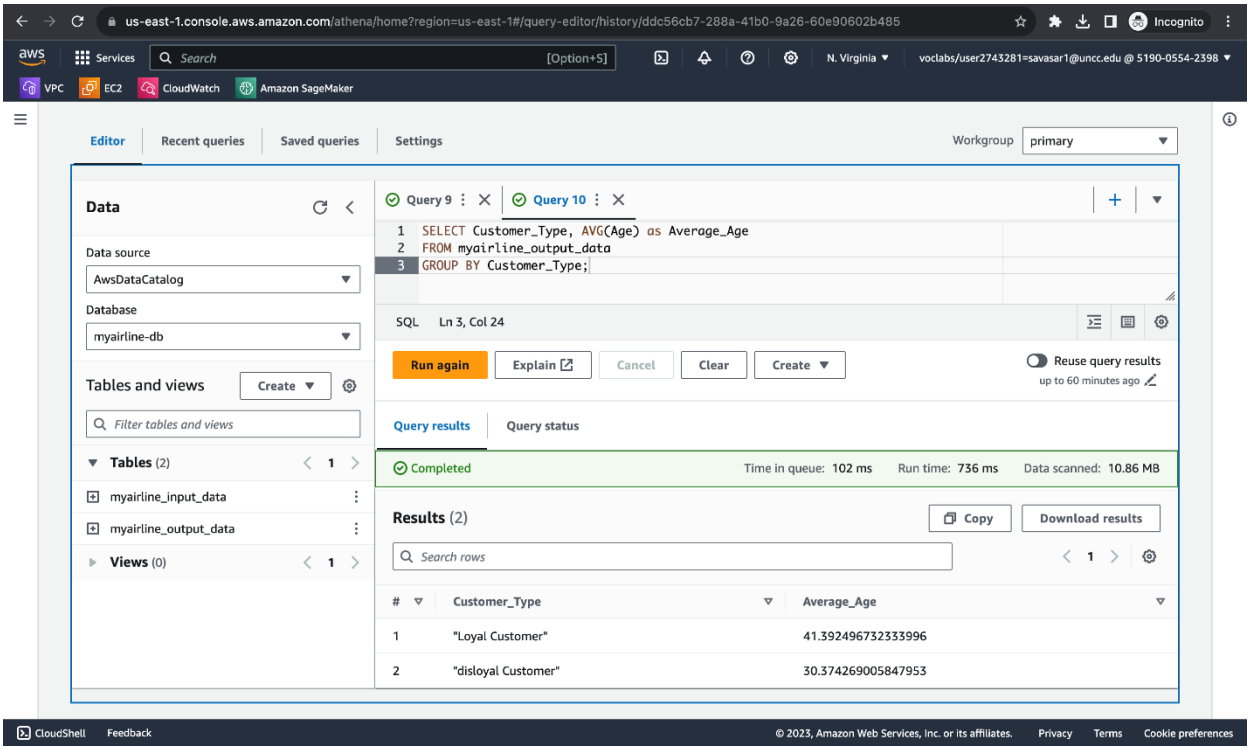


DELIVERABLE - 2



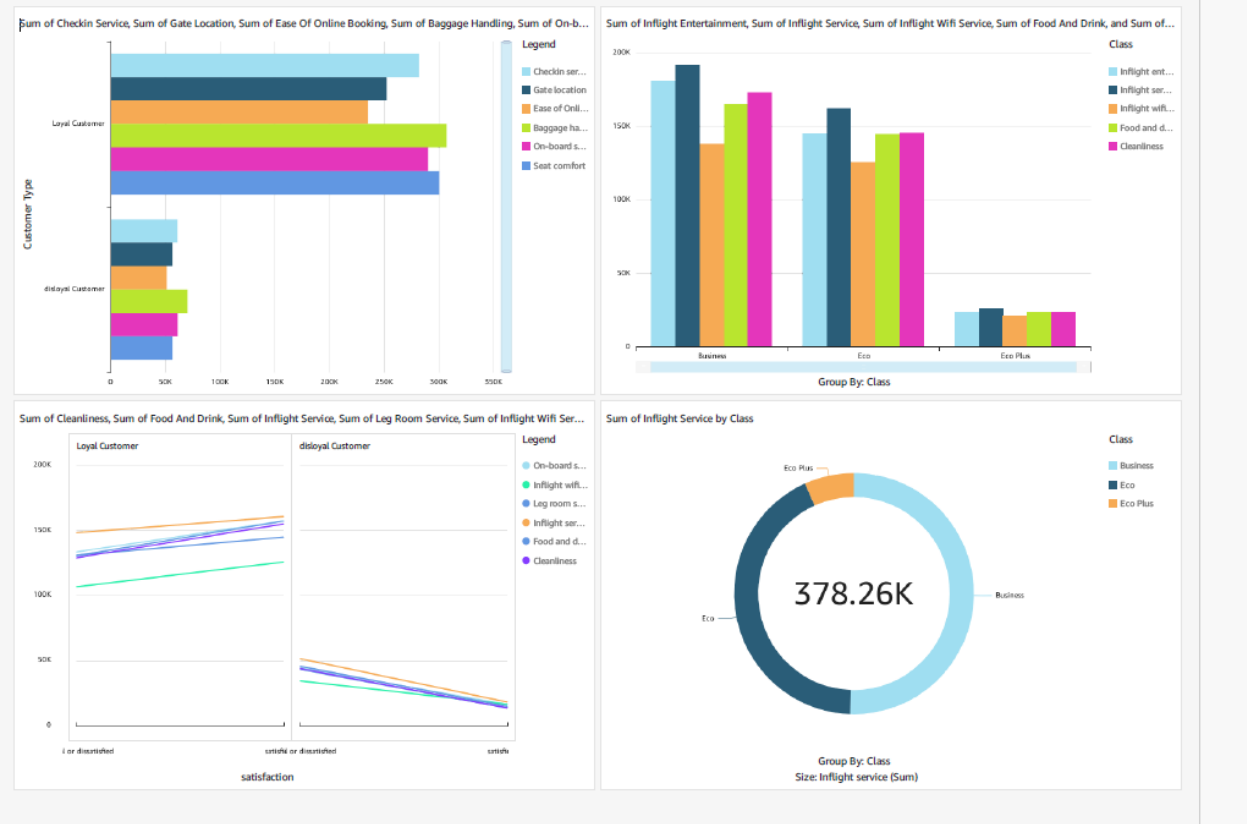


DELIVERABLE - 2

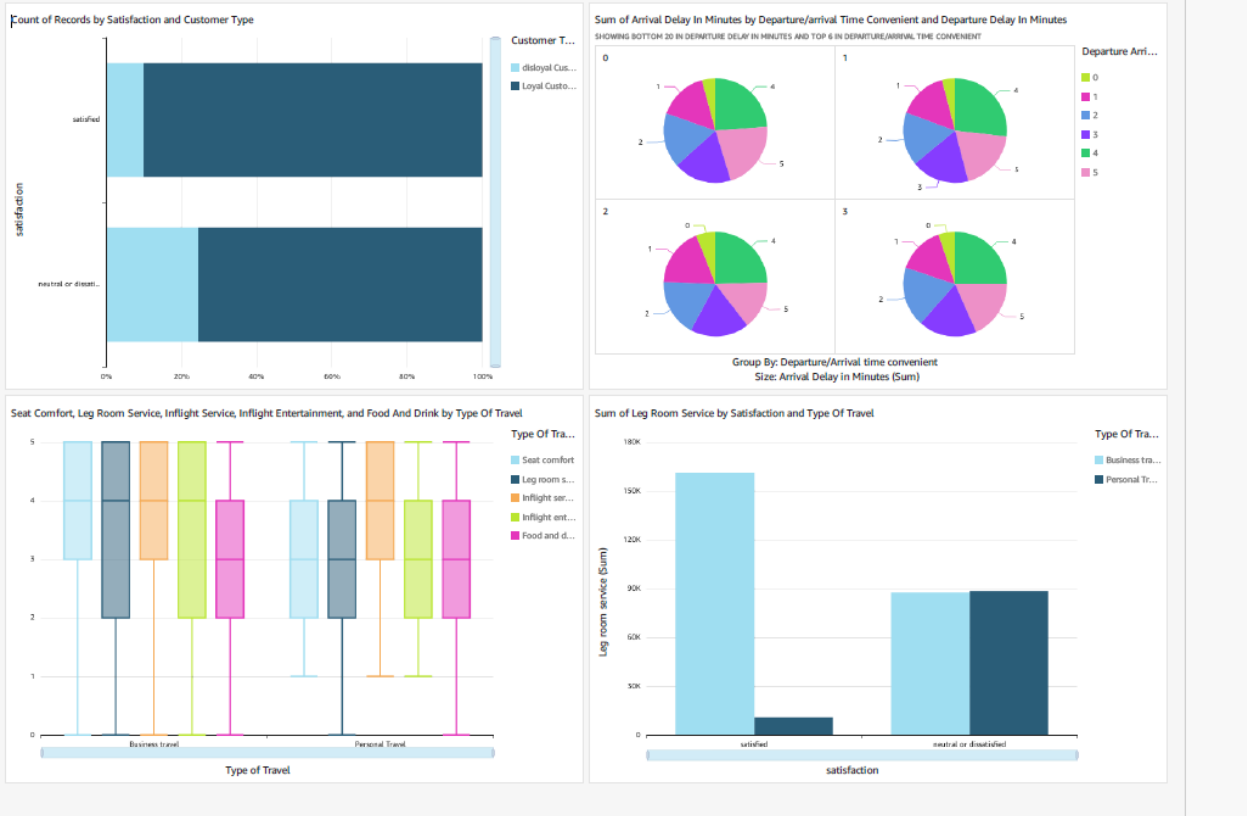


DELIVERABLE - 2

AWS QUICKSITE



DELIVERABLE - 2



AWS S3 BUCKET