Documentation of the Project Setup and Methodology:

Project Setup:
Set up the ELK Stack (Elasticsearch, Logstash, Kibana).
Loaded the kibana_sample_data_flights dataset into Elasticsearch.
Created a Data View in Kibana for the dataset and configured the timestamp field

Methodology:
Wrote Elasticsearch queries to search, filter, and aggregate data (e.g., filtering flights by date and destination, calculating average ticket prices).
Created visualizations (bar charts, line graphs, etc.) to represent different insights from the flight data.
Designed a Kibana dashboard to display these visualizations for easy analysis.

Final Report on Insights Derived from the Data:

Key Insights:
Calculated flight counts, percentage of delays and cancellations.
Calculated the average price of flights and observed seasonal price trends.
Analyzed the flight delays and trends over different time periods.
Flight destination weather analysis