Title: Titanic Dataset Analysis – Exploratory Data Analysis (EDA)

Sections:

1. **Introduction**
   - Objective of the analysis
   - Brief description of dataset (number of rows, columns, data types)

2. **Data Overview**
   - First 5 rows of dataset
   - Summary statistics (describe)
   - Counts of key columns (Survived, Pclass, Sex)

3. **Visualizations**
   - Age distribution histogram
   - Fare boxplot
   - Scatterplot of Age vs Fare
   - Pairplot of numeric features by Survived
   - Correlation heatmap
   - Countplots for Sex and Pclass vs Survived

4. **Insights / Summary of Findings**
   - Females survived more than males
   - 1st class passengers had the highest survival
   - Age distribution mostly between 20–40 years
   - Fare positively correlated with survival
   - Pclass and Fare strongly correlated
   - Key factors affecting survival: Gender, Pclass, Fare

5. **Conclusion**
   - Brief summary of key patterns and possible implications