

Titanic Dataset - Simple EDA Summary

This report provides a simple summary of the exploratory data analysis (EDA) conducted on the Titanic dataset. The analysis focuses on understanding passenger demographics, class distribution, and survival rates.

Dataset Overview:

The dataset contains passenger details such as age, gender, passenger class (Pclass), number of siblings/spouses (SibSp), number of parents/children (Parch), fare, and survival status.

Key EDA Findings:

1. Age distribution shows that most passengers were between 20 and 40 years old.
2. Male passengers were the majority, but females had a higher survival rate.
3. Passengers in 1st class had a higher chance of survival than those in 2nd or 3rd class.
4. Correlation analysis shows that class and fare are moderately related to survival.
5. No significant missing values after cleaning.

Conclusion:

The EDA provides insight into how socio-economic status and gender influenced survival on the Titanic. These findings can serve as the foundation for predictive modeling or further data exploration.