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#%% md  
## Observations
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- Females survived more than males
- First-class passengers had higher survival rates
- Passengers with higher fares had better survival chances
- Younger passengers survived slightly more
- Age and Cabin columns have missing values

```
#%% md  
## Summary
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The exploratory data analysis of the Titanic dataset shows that survival was strongly influenced by gender, passenger class, and fare. Females and first-class passengers had significantly higher survival rates. Fare showed a positive correlation with survival, while age had a moderate effect. Missing values were observed mainly in the Age and Cabin columns.