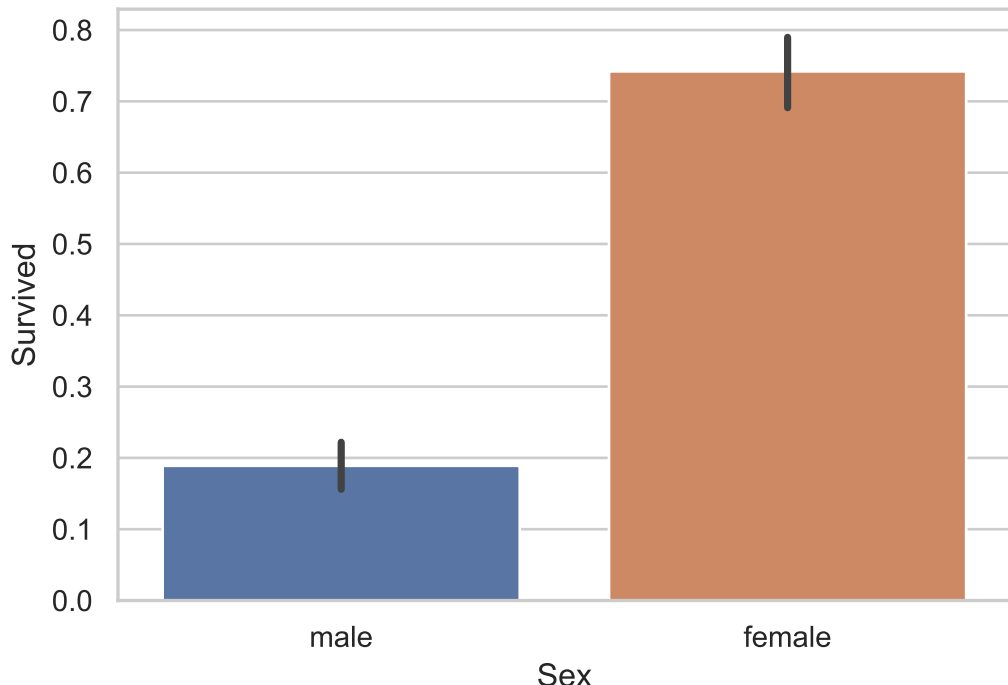
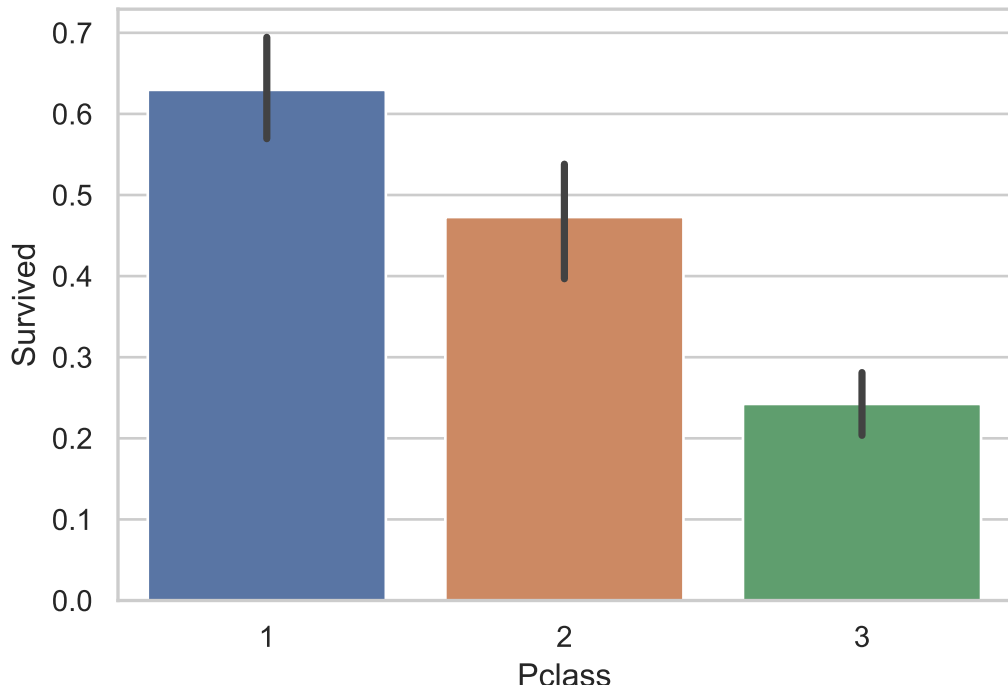


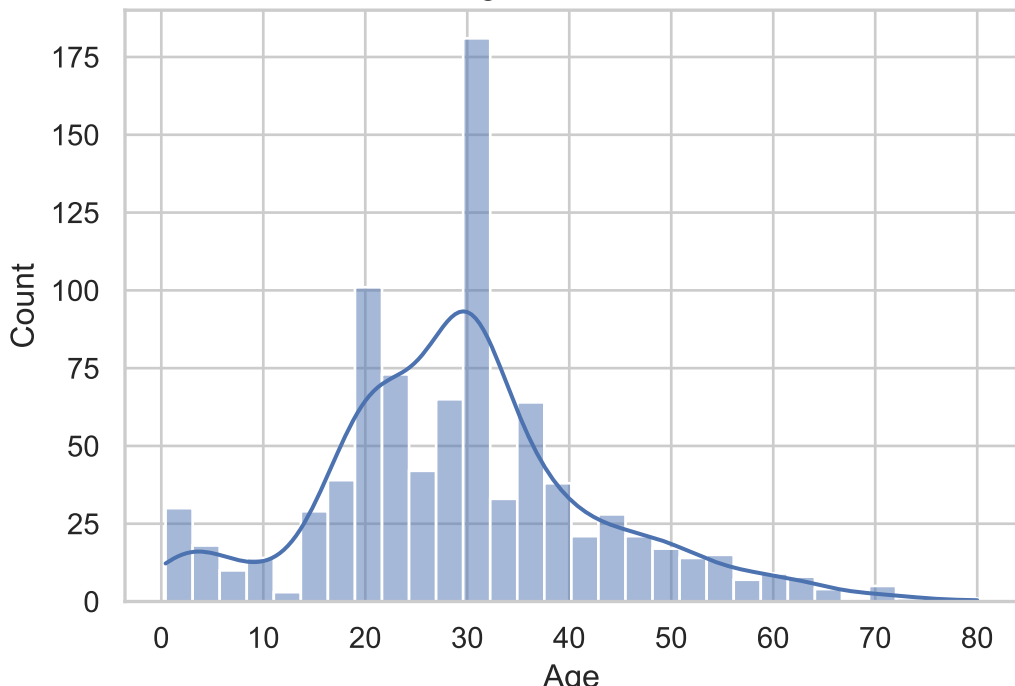
Survival by Sex

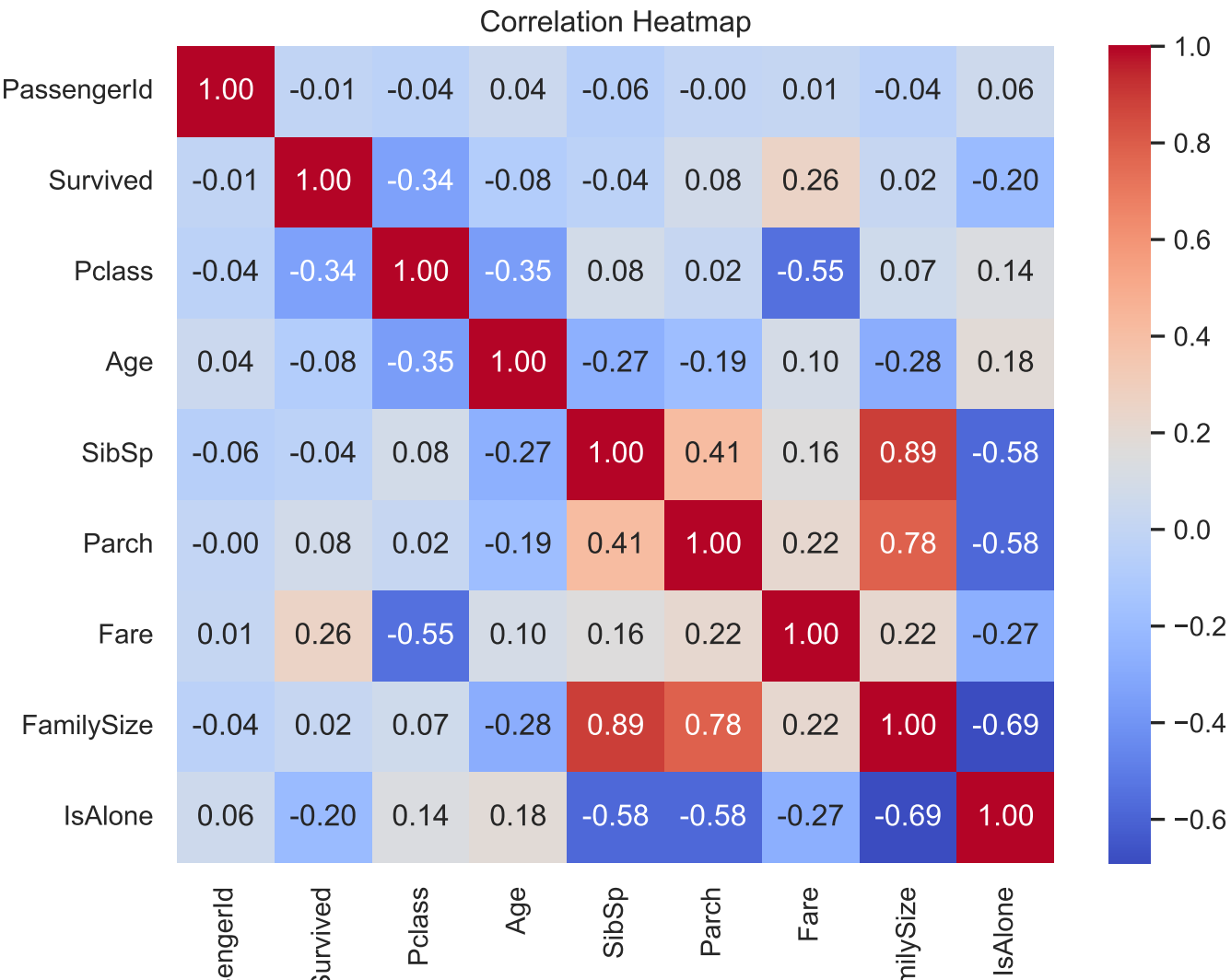


Survival by Pclass



Age Distribution





Observations:

- Women had higher survival rates than men.
- Higher Pclass passengers survived more often.
- Age distribution shows children had relatively better survival.
- Feature engineering (Title, FamilySize) improved prediction accuracy.
- Best model in validation: XGB with accuracy 0.8380.