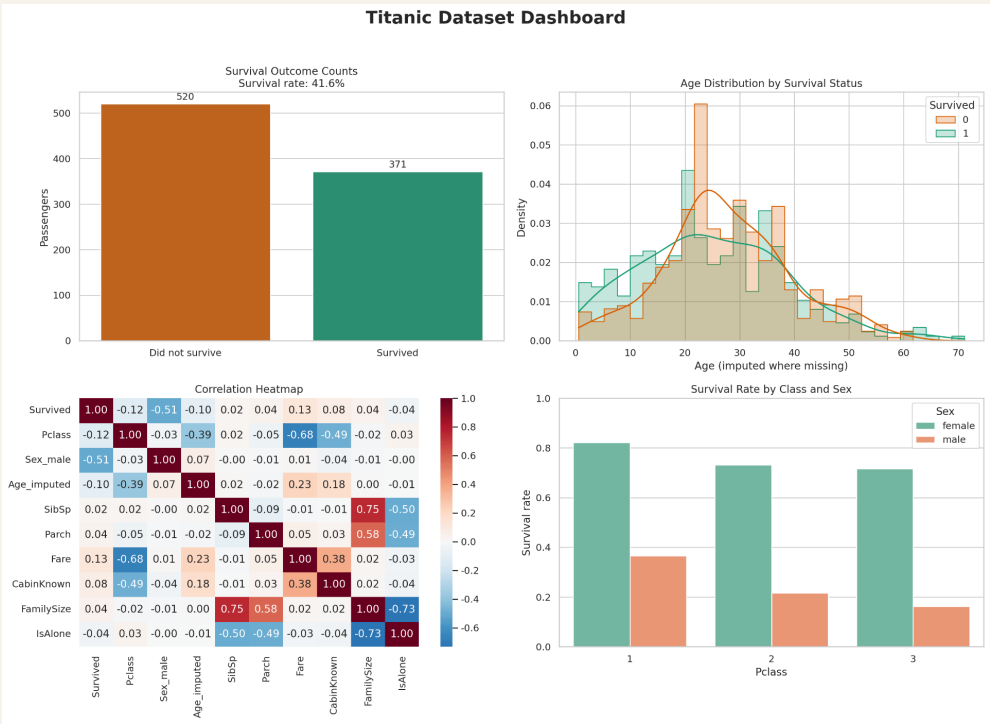


## Titanic Dataset — Exploratory Dashboard



### Overview

Full exploratory data analysis dashboard covering survival outcomes, age distribution, correlation structure, and class-sex survival interactions across 891 Titanic passengers.

### Key Findings

- Overall survival rate: 41.6% (520 perished, 371 survived).
- Sex strongest predictor (Sex\_male ↔ Survived = -0.51).
- 1st-class females: ~82% survival vs 3rd-class males: ~16%.
- Family-size variables (SibSp, Parch) highly correlated — engineered FamilySize feature.

### Business Value

A clean EDA baseline that surfaces relationships before any modelling decisions are made.