

Task 2 – Titanic Classification

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Objective Build a basic **classification** model (Logistic Regression) on Titanic to predict survival.

Approach - Features: `Pclass, Sex, Age, Fare` - Cleaned missing values; encoded `Sex` (male=0, female=1) - Split data (80/20) with stratification - Trained `LogisticRegression` and evaluated accuracy + report

Key Findings - `Sex` and `Pclass` are strong predictors. - The baseline model yields solid accuracy for a simple setup.

Files - `Intermediate_Titanic_Model.ipynb`