Here is a sample **README.md** file you can use for your **Titanic EDA Project** submission. It explains the objective, setup, steps, and outputs for your GitHub or zipped submission.

📁 **README.md — Titanic EDA Project**

 # Titanic EDA Project

This project performs **Exploratory Data Analysis (EDA)** on the Titanic dataset to uncover insights about the passengers and factors influencing survival.

 # Objective

To analyze the Titanic dataset using Python and visualize trends to identify meaningful patterns in passenger demographics, ticket class, and survival rates.

 # Dataset

- Dataset used: [tested.csv]

- Source: [Kaggle Titanic Dataset](https://www.kaggle.com/c/titanic/data)

 # Tech Stack

- Python 3.x

- Pandas

- NumPy

- Matplotlib

- Seaborn

- Jupyter Notebook

📈 **Steps Performed in Notebook**

- ✅ Data Loading and Inspection
- ✅ Data Cleaning (null handling, removing duplicates)
- ✅ Summary Statistics
- ✅ Visualizations:
    - Histograms, Box Plots, Count Plots
    - Violin Plot (Bonus)
    - Pair Plots & Correlation Heatmap

- ✅ Group-based analysis using groupby()
- ✅ Feature Engineering (FamilySize)
- ✅ Top 5 Insights in Markdown

📌 **Top 5 Insights**

1. Women had higher survival rates than men.
2. First class passengers were more likely to survive.
3. Children and elderly showed variable survival odds.
4. Family size played a role in survival probability.
5. Fare and ticket class were strongly correlated with survival

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📬 **Submission**

- Submit this project as a .zip file or push it to your GitHub repo.
- Ensure the dataset and notebook are included and executable.