**Titanic Survival Prediction**

This project uses machine learning to predict whether a passenger on the Titanic would survive or not based on various factors.

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**Description**

This project aims to predict whether a passenger on the Titanic would survive or not based on various factors such as age, gender, and passenger class. The project involves cleaning and analyzing the Titanic dataset to identify relevant patterns, and then creating a machine learning model to predict survival.

**Data Source**

The Titanic dataset used in this project can be found on Kaggle or can be found in the repository.

**Dependencies**

This project requires the following Python libraries to be installed:

1. Pandas
2. NumPy
3. Scikit-learn.
4. Matplotlib
5. Seaborn

**Installation**

To install this project and its dependencies, follow these steps:

1. Clone the repository: git clone https://github.com/Gmann13/titanic-survival-prediction.git
2. Navigate to the project directory: cd titanic-survival-prediction
3. Install the dependencies: pip install -r requirements.txt

**Usage**

To use this project, follow these steps:

1. Open titanic\_survival\_prediction.ipynb in Jupyter Notebook or Google Colab.
2. Run the cells in the notebook to clean and analyze the data, train the machine learning model, and make predictions.
3. Interpret the results and make conclusions based on the predictions.