



Red Wine Quality Prediction Project

In []: Dataset Description : Use machine learning to determine which physiochemical properties make a wine "Good"!

SETPS:

- (1)Improting Pakage
- (2)loading Dataset
- (3)Ploting Graphs
- (4)Pre-processing dataset
- (5)Creating ML model
- (6)Taning

IMPORTING REQUIRED PAKAGE

importing packages

```
In [ ]: import pandas as pd # For data manipulation and analysis
import numpy as np # For numerical operations
import matplotlib.pyplot as plt # For plotting
from sklearn.model_selection import train_test_split # For splitting the dataset
from xgboost import XGBClassifier # For XGBoost model
from sklearn.metrics import accuracy_score # For model evaluation
```

Loading Dataset:

In []:

```
python
Copy code
```