

Trusted

sulnhates

alcohol quality

Python 3 (ipykernel) 💲

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## **Red Wine Quality Prediction Project**

In [ ] residual sugar chlorides free sulfur dioxide total sulfur dioxide

```
In [ ]: Project 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 pakages

```
In []: mport 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 [*]: wine = pd.read_csv("data/winequality.red.csv")
wine.sample(25)
```