

# VIRTUAL DATA INTERNSHIP

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SUBMITTED TO: DATA GLACIER

# **Introduction**

This project aims at the deployment of a machine learning model for data that expresses the quality of wine using a Flask framework. The proposed workflow is shown in diagram 1.1 while the data information is showcased in table 1.1

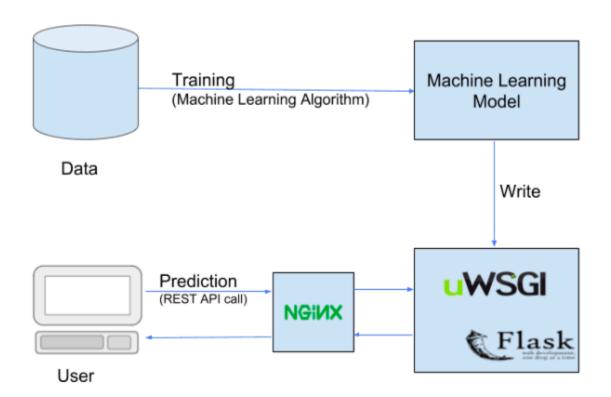


Diagram 1.1 Application Workflow

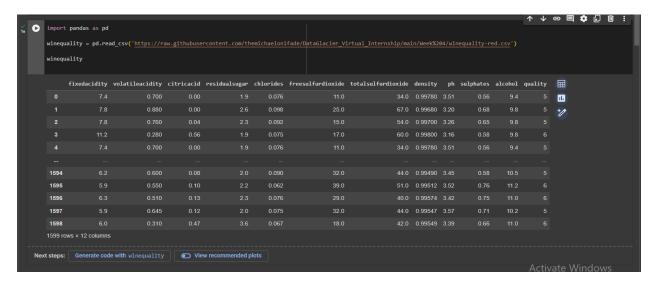
#### **Table Data Details**

Total number of observations	1599
Total number of files	1
Total number of features	12
Base format of the file	CSV
Size of the data	84KB

**Table 1.1 Dataset Information** 

The process for the deployment is summarized as follows

## 1) Data import



## 2) Model Building



#### 3) Turning Model into web application using flask

#### App.py file

#### Style.css

#### Index.html

#### Result.html

# Final output

## **Wine Quality Prediction**

Fixed Acidity:
Volatile Acidity:
Citric Acid:
Residual Sugar:
Chlorides:
Free Sulfur Dioxide:
Total Sulfur Dioxide:
Density:
pH:
Sulphates:
Alcohol:
Predict