

## **Red Wine Quality Prediction Using KNN Task**

Hello Fellow Interns,

For this Week, you're being requested to go through the Dataset Namely "**Red Wine Quality**". This dataset is originally from [www.kaggle.com](http://www.kaggle.com).

**Dataset:** <https://www.kaggle.com/uciml/red-wine-quality-cortez-et-al-2009/tasks?taskId=1738>

### **Your Tasks:**

- Perform basic pipelining tasks such as cleaning and formatting
- Split data into test and train
- use the K Nearest Neighbours algorithm to make a prediction on the 'quality' column of the dataset.
- Test your model with the test data
- Measure Performance and Validation

### **Tools & Libraries You may need:**

- Python
- Matplotlib, pandas, Scikit-Learn
- Jupyter Notebook
- Download the data from the link given above.
- Now, you can start of your work by opening a Jupiter notebook in Google Colab: <https://colab.research.google.com/notebooks/intro.ipynb> Or Anaconda if you already have it pre installed on you PC.
- Upload and load the data on to the notebook and you're good to go.

**Due Date: Thursday, 1st of July 2021, 8:00 PM**

For any doubts contact the following mentors:

- Pranshu Sharma +91 9459197900
- Adarsh Raghav +91 8527366600

After you're done with your work show it to us and then post it on LinkedIn by Tagging all mentors and Cureya Team, Shivani Mishra.