# Wine Prediction Application

The data is the results of a chemical analysis of wines grown in the same region in Italy by three different cultivators. There are thirteen different measurements taken for different constituents found in the three types of wine.

In a classification context, this is a well posed problem with "well behaved" class structures. A good data set for first testing of a new classifier, where all attributes are continuous.
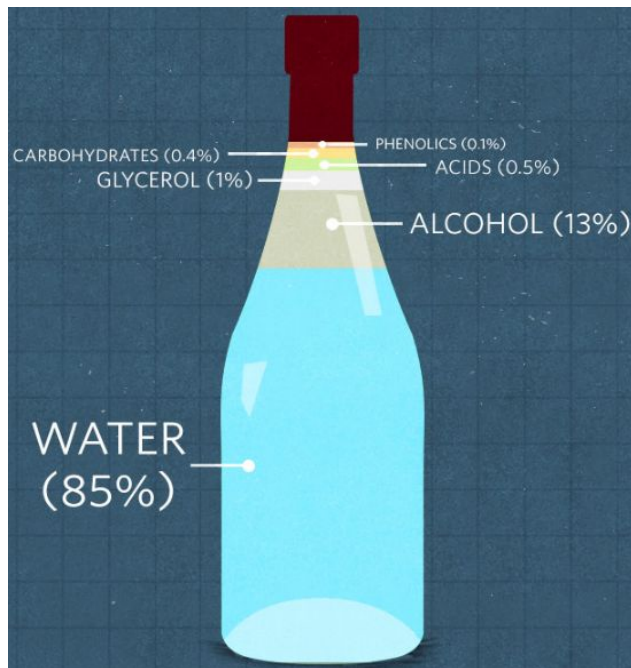
Data Set Characteristics

- Number of Instances: 178.
- Number of Attributes: 13 numeric, predictive attributes and the class.
- Classes and Distribution: class_0 (59), class_1 (71), class_2 (48).

Attributes

Alcohol, Malic acid, Ash, Alcalinity of ash, Magnesium, Total phenols, Flavanoids, Nonflavanoid phenols, Proanthocyanins, Color intensity, Hue, OD280/OD315 of diluted wines, Proline.

FIELDS: Machine Learning Capabilities, Data Science, Application Software, Web Servers

PLATFORMS: Heroku, GitHub

LANGUAGES: Python

LIBRARIES: Streamlit - NumPy - Pandas - Scikit-learn

Source:

Forina, M. et al, PARVUS - An Extendible Package for Data Exploration, Classification and Correlation. Institute of Pharmaceutical and Food Analysis and Technologies, Via Brigata Salerno, 16147 Genoa, Italy.

https://archive.ics.uci.edu/ml/datasets/Wine