

Dataset: Wine Quality Attributes:

11 numeric, 1 nominal, Class: Numeric Instances: 6497 Missing Values: None

In the original form of this dataset, two datasets were created, using red and white wine samples. Here, these two datasets have been combined into one dataset. The inputs include objective tests (e.g. PH values) and the output is whether the wine is red or white.

The two datasets are related to red and white variants of the Portuguese "Vinho Verde" wine. Due to privacy and logistic issues, only physicochemical (inputs) and sensory (the output) variables are available (e.g. there is no data about grape types, wine brand, wine selling price, etc.).

Attributes

Number	Attribute Name	Type
1	fixed acidity	numeric
2	volatile acidity	numeric
3	citric acid	numeric
4	residual sugar	numeric
5	chlorides	numeric
6	free sulfur dioxide	numeric
7	total sulfur dioxide	numeric
8	density	numeric
9	pH	numeric
10	sulphates	numeric
11	alcohol	numeric
12	Class	Nominal: R = 1, W = 0

Reference: P. Cortez, A. Cerdeira, F. Almeida, T. Matos and J. Reis. Modeling wine preferences by data mining from physicochemical properties. In Decision Support Systems, Elsevier, 47(4):547-553.

