



Wine Quality

Donated on 10/6/2009

Two datasets are included, related to red and white vinho verde wine samples, from the north of Portugal. The goal is to model wine quality based on physicochemical tests (see...

Dataset Characteristics

Multivariate

Subject Area

Business

Associated Tasks

Classification, Regression

Feature Type

Real

Instances

4898

Features

11

Dataset Information



Additional Information

The two datasets are related to red and white variants of the Portuguese "Vinho Verde" wine. For more details, consult: <http://www.vinhoverde.pt/en/> or the reference [Cortez et al., 2009]. Due to privacy and logistic issues, only physicochemical (inputs) and sensory (the output) ...

Has Missing Values?

No

Introductory Paper



[Modeling wine preferences by data mining from physicochemical properties](#)

By P. Cortez, A. Cerdeira, Fernando Almeida, Telmo Matos, J. Reis. 2009
Published in Decision Support Systems



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Variable Name	Role	Type	Description	Units	Missing Values
fixed_acidity	Feature	Continuous			no
volatile_acidity	Feature	Continuous			no
citric_acid	Feature	Continuous			no
residual_sugar	Feature	Continuous			no
chlorides	Feature	Continuous			no
free_sulfur_dioxide	Feature	Continuous			no
total_sulfur_dioxide	Feature	Continuous			no
density	Feature	Continuous			no
pH	Feature	Continuous			no
sulphates	Feature	Continuous			no

Rows per page

5

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Additional Variable Information



For more information, read [Cortez et al., 2009].

Input variables (based on physicochemical tests):

1 - fixed acidity...

Dataset Files



File	Size
winequality-white.csv	258.2 KB



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File	Size
winequality.names	3.2 KB

Reviews

There are no reviews for this dataset yet.

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” 1 citations

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Keywords

[Chemistry](#)

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DOI

10.24432/C56S3T

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