

# Deploy deep learning model using keras (Section2)

---

PROF. KHOSHNEVISAN

BY Mohammad Dehghan-Rouzi

[dehghanr.mohammad@gmail.com](mailto:dehghanr.mohammad@gmail.com)

[dehghanr.mohammad@ut.ac.ir](mailto:dehghanr.mohammad@ut.ac.ir)

# Wine dataset


<https://archive.ics.uci.edu/ml/datasets/wine>

← → ↺

archive.ics.uci.edu/ml/datasets/wine

Apps Radio Farda | Free I... YouTube Gmail UT Mail :: Inbox (15,731 unread) - m... سامانه تغذیه دانشگاه... O C

UCI




Machine Learning Repository

Center for Machine Learning and Intelligent Systems

## Wine Data Set

Download: [Data Folder](#), [Data Set Description](#)

**Abstract:** Using chemical analysis determine the origin of wines



Data Set Characteristics:	Multivariate	Number of Instances:	178	Area:	Physical
Attribute Characteristics:	Integer, Real	Number of Attributes:	13	Date Donated	1991-07-01
Associated Tasks:	Classification	Missing Values?	No	Number of Web Hits:	1293060

**Source:**

Original Owners:  
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.

Donor:  
Stefan Aeberhard, email: [stefan '@' coral.cs.jcu.edu.au](mailto:stefan '@' coral.cs.jcu.edu.au)

# Wine dataset description

How many features? 13

How many examples (rows)? 178

How many types of wines? 3

Class names: The dataset doesn't mention

class\_0 → Shiraz wine

class\_1 → River road Chardonnay

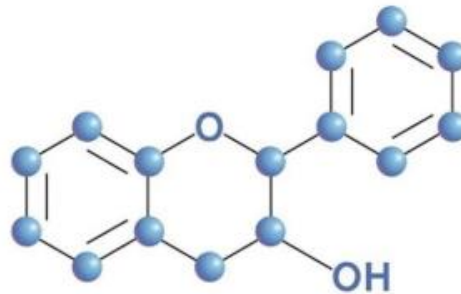
class\_2 → Riesling wine



# Features of dataset

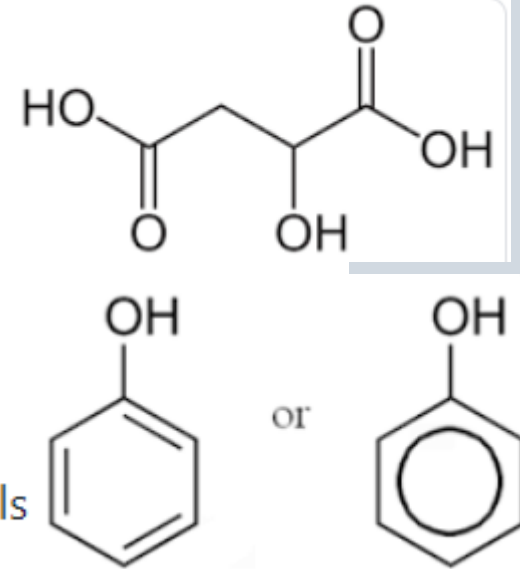
13 features

## Attribute Information:



**FLAVONOIDS**

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



# Now lets write some code for training!

---

# What happens if I turn off Scale?

---