



Iris

Donated on 6/30/1988

A small classic dataset from Fisher, 1936. One of the earliest known datasets used for evaluating classification methods.

Dataset Characteristics

Tabular

Subject Area

Biology

Associated Tasks

Classification

Feature Type

Real

Instances

150

Features

4

Dataset Information



What do the instances in this dataset represent?

Each instance is a plant

Additional Information

This is one of the earliest datasets used in the literature on classification methods and widely used in statistics and machine learning. The data set contains 3 classes of 50 instances each, where each class refers to a type of iris plant. One class is linearly separable from the other 2; the latter ...

[SHOW MORE](#) ▾

Has Missing Values?

No

Introductory Paper



[The Iris data set: In search of the source of virginica](#)

By A. Unwin, K. Kleinman. 2021

Published in Significance, 2021

Variables Table



Variable Name	Role	Type	Description	Units	Missing Values
sepal length	Feature	Continuous		cm	no
sepal width	Feature	Continuous		cm	no
petal length	Feature	Continuous		cm	no
petal width	Feature	Continuous		cm	no
class	Target	Categorical	class of iris plant: Iris Setosa, Iris Versicolour, or Iris Virginica		no

Rows per page

10 ▼

0 to 5 of 5

<

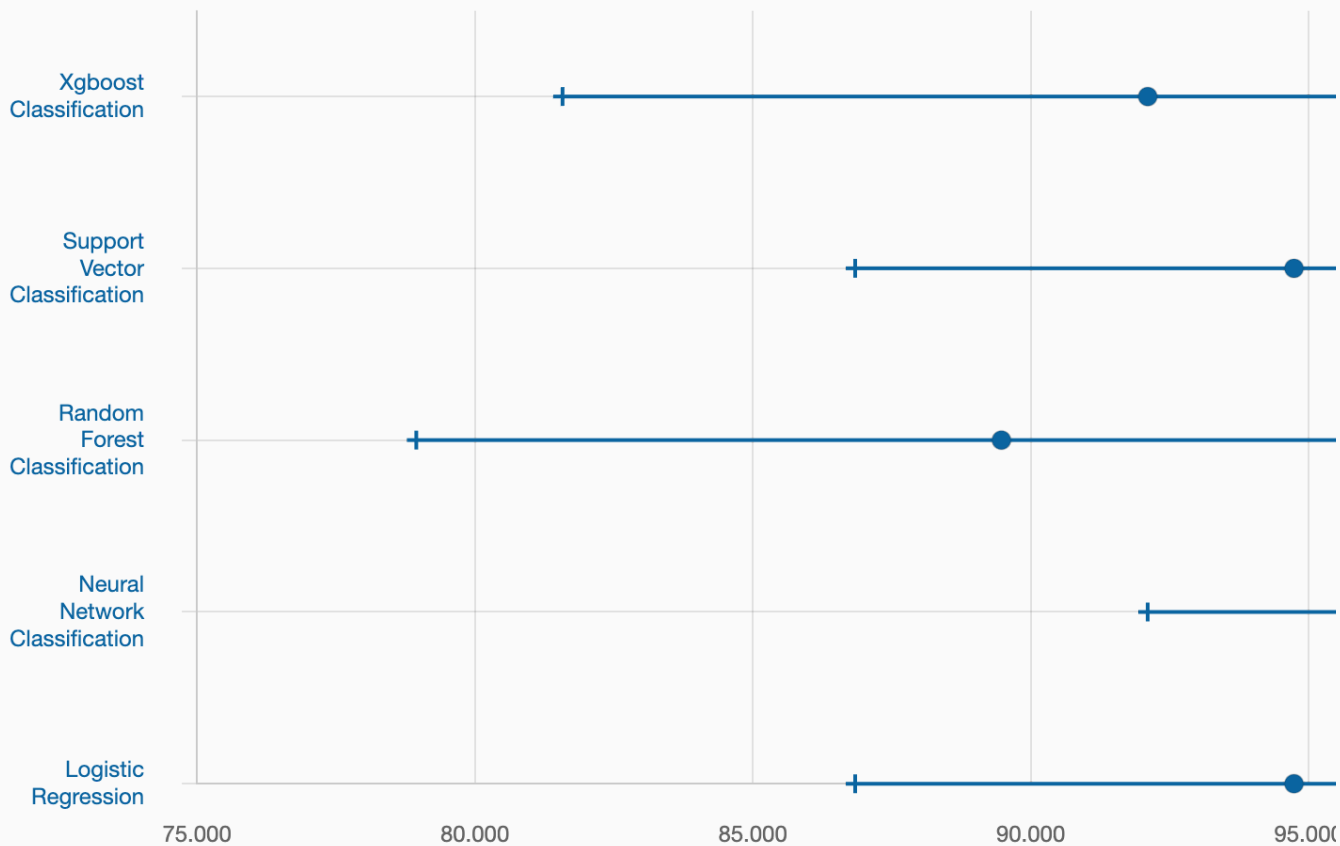
>

Baseline Model Performance



Accuracy

Precision



Dataset Files

File	Size
bezdekiris.data	4.4 KB
iris.data	4.4 KB
iris.names	2.9 KB
Index	105 Bytes

Papers Citing this Dataset

 SORT BY YEAR, DESC

[A Constructive Approach for One-Shot Training of Neural Networks Using Hypercube-Based T...](#)

By W. Daniel, Enoch Yeung. 2019
Published in ArXiv.

[Convergence and Margin of Adversarial Training on Separable Data](#)

By Zachary Charles, Shashank Rajput, Stephen Wright, Dimitris Papailiopoulos. 2019
Published in ArXiv.

[CRAD: Clustering with Robust Autocuts and Depth](#)

By Xin Huang, Yulia Gel. 2019
Published in 2017 IEEE International Conference on Data Mining (ICDM), 925--930} (2017).

[Deep Spiking Neural Network with Spike Count based Learning Rule](#)

By Jibin Wu, Yansong Chua, Malu Zhang, Qu Yang, Guoqi Li, Haizhou Li. 2019
Published in ArXiv.

[Bounded Fuzzy Possibilistic Method](#)

By Hossein Yazdani. 2019
Published in ArXiv.

Rows per page

5



0 to 5 of 352



Reviews



4.9  (4 ratings)

[LOGIN TO WRITE A REVIEW](#)

Ahsan Nabi Khan



jazak Allah

3/15/2025

Imran Abdul R

azack



There is a duplicate data , so the comments in summary needs to be corrected , as it says no duplicate data

11/16/2024

Old Mavano



Amazing!

4/13/2024

ksio Namie



Thank you for the article! <https://smkdarunnajah.sch.id/>

12/7/2023



DOWNLOAD (3.7 KB)



IMPORT IN PYTHON

CITE

” 352 citations

👁 896711 views

Keywords

ecology

Creators

👤 R. A. Fisher

DOI

10.24432/C56C76

License

This dataset is licensed under a [Creative Commons Attribution 4.0 International](#) (CC BY 4.0) license.

This allows for the sharing and adaptation of the datasets for any purpose, provided that the appropriate credit is given.



UC Irvine
Machine Learning
Repository

THE PROJECT

[About Us](#)

[CML](#)

[National Science Foundation](#)

NAVIGATION

[Home](#)

[View Datasets](#)

[Donate a Dataset](#)

LOGISTICS

[Contact](#)

[Privacy Notice](#)

[Feature Request or Bug Report](#)