Iris

Donated on 6/30/1988

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

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 are not linearly separable from each other.

Predicted attribute: class of iris plant.

This is an exceedingly simple domain.

This data differs from the data presented in Fishers article (identified by Steve Chadwick, spchadwick@espeedaz.net). The 35th sample should be: 4.9,3.1,1.5,0.2,"Iris-setosa" where the error is in the fourth feature. The 38th sample: 4.9,3.6,1.4,0.1,"Iris-setosa" where the errors are in the second and third features.

SHOW LESS

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

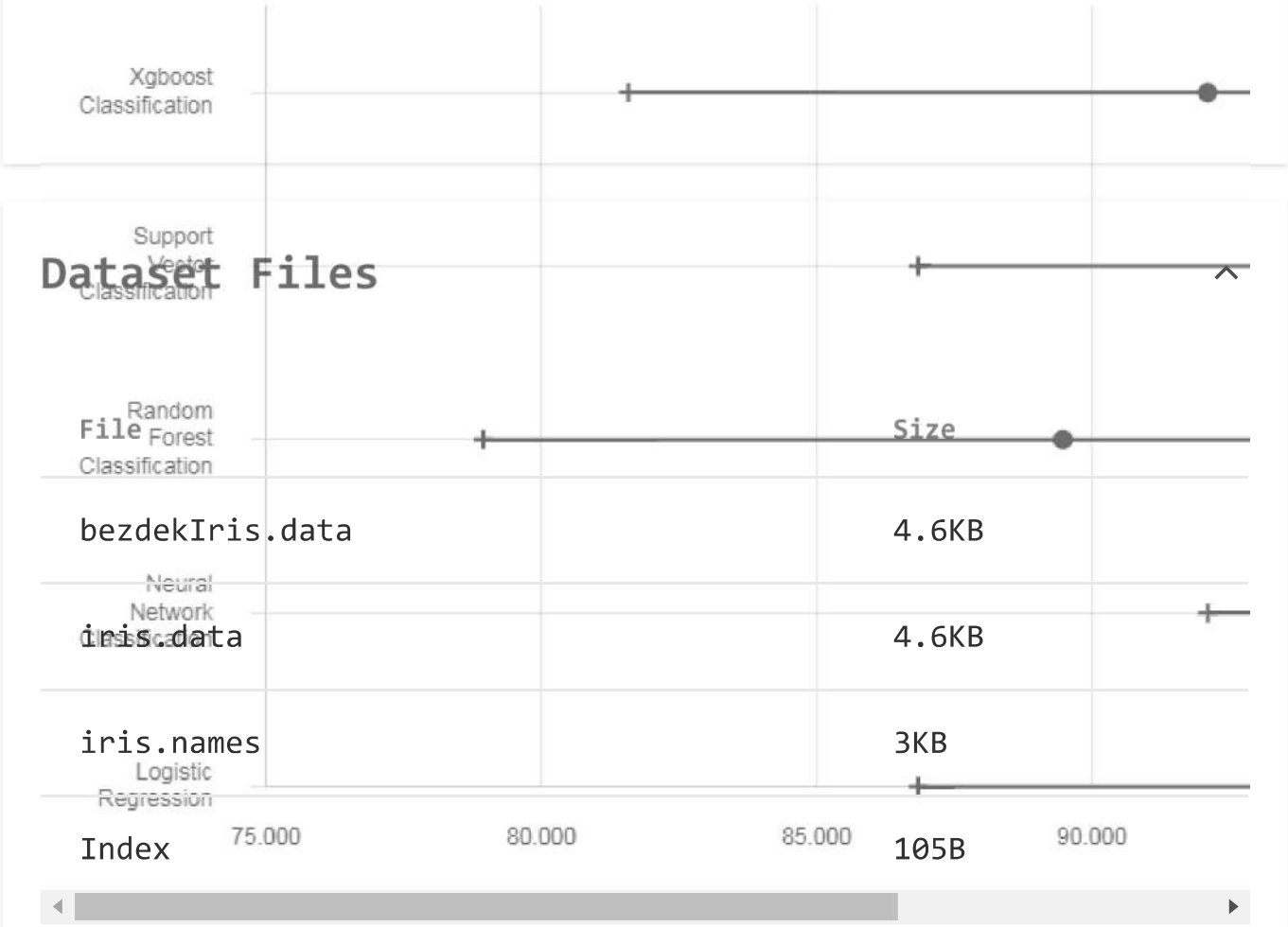
Variable Name	Role	Type	Description	Units
sepal length	Feature	Continuous		cm
sepal width	Feature	Continuous		cm

Variable Name	Role	Type	Description	Units
petal length	Feature	Continuous		cm
petal width	Feature	Continuous		cm
class	Target	Categorical	class of iris plant: Iris Setosa, Iris Versicolour, or Iris Virginica	

Rows per page 10 0 to 5 of 5

Baseline Model Performance

Accuracy Precision



Dataset Files

File	Size
bezdekIris.data	4.6KB
iris.data	4.6KB
iris.names	3KB
Index	105B

Papers Citing this Dataset

SORT BY YEAR, DESC

A Constructive Approach for One-Shot Training of Neural …
By W. Daniel, Enoch Yeung. 2019
Published in ArXiv.

Convergence and Margin of Adversarial Training on Separa…
By Zachary Charles, Shashank Rajput, Stephen Wright, Dimitris Pap…
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 (I…

Deep Spiking Neural Network with Spike Count based Learn…
By Jibin Wu, Yansong Chua, Malu Zhang, Qu Yang, Guoqi Li, Haizhou…
Published in ArXiv.

Bounded Fuzzy Possibilistic Method
By Hossein Yazdani. 2019
Published in ArXiv.

Rows per page 5 0 to 5 of 352

Reviews

5.0 (2 ratings)

LOGIN TO WRITE A REVIEW

Old Mavano
4/13/2024
Amazing!

ksio Namie
12/7/2023
Thank you for the article!
https://smkdarunnajah.sch.id/

DOWNLOAD (3.7KB)

IMPORT IN PYTHON

CITE

352 citations

1025328 views

Keywords

ecology

Creators

R. A. Fisher

DOI

10.24432/C56C76

License

CML

National Science Foundation

NAVIGATION

Home

View Datasets

Donate a Dataset

LOGISTICS

Contact

Privacy Notice

Feature Request or Bug Report