



Abalone

Donated on 11/30/1995

Predict the age of abalone from physical measurements

Dataset Characteristics

Tabular

Subject Area

Biology

Associated Tasks

Classification, Regression

Feature Type

Categorical, Integer, Real

Instances

4177

Features

8

Dataset Information



Additional Information

Predicting the age of abalone from physical measurements. The age of abalone is determined by cutting the shell through the cone, staining it, and counting the number of rings through a microscope -- a boring and time-consuming task. Other measurements, which are easier to ...

SHOW MORE

Has Missing Values?

No

Variables Table



Variable Name	Role	Type	Description	Units	Missing Values
---------------	------	------	-------------	-------	----------------



By using the UCI Machine Learning Repository, you acknowledge and accept the cookies and privacy practices used by the UCI Machine Learning Repository.

ACCEPT

READ POLICY

Variable Name	Role	Type	Description	Units	Missing Values
Length	Feature	Continuous	Longest shell measurement	mm	no
Diameter	Feature	Continuous	perpendicular to length	mm	no
Height	Feature	Continuous	with meat in shell	mm	no
Whole_weight	Feature	Continuous	whole abalone	grams	no
Shucked_weight	Feature	Continuous	weight of meat	grams	no
Viscera_weight	Feature	Continuous	gut weight (after bleeding)	grams	no
Shell_weight	Feature	Continuous	after being dried	grams	no
Rings	Target	Integer	+ 1.5 gives the age in years		no

Rows per page **10** 0 to 9 of 9 < >

Additional Variable Information

Given is the attribute name, attribute type, the measurement unit and a brief description. The number of rings is the value to predict: either as a continuous value or as a classification problem....

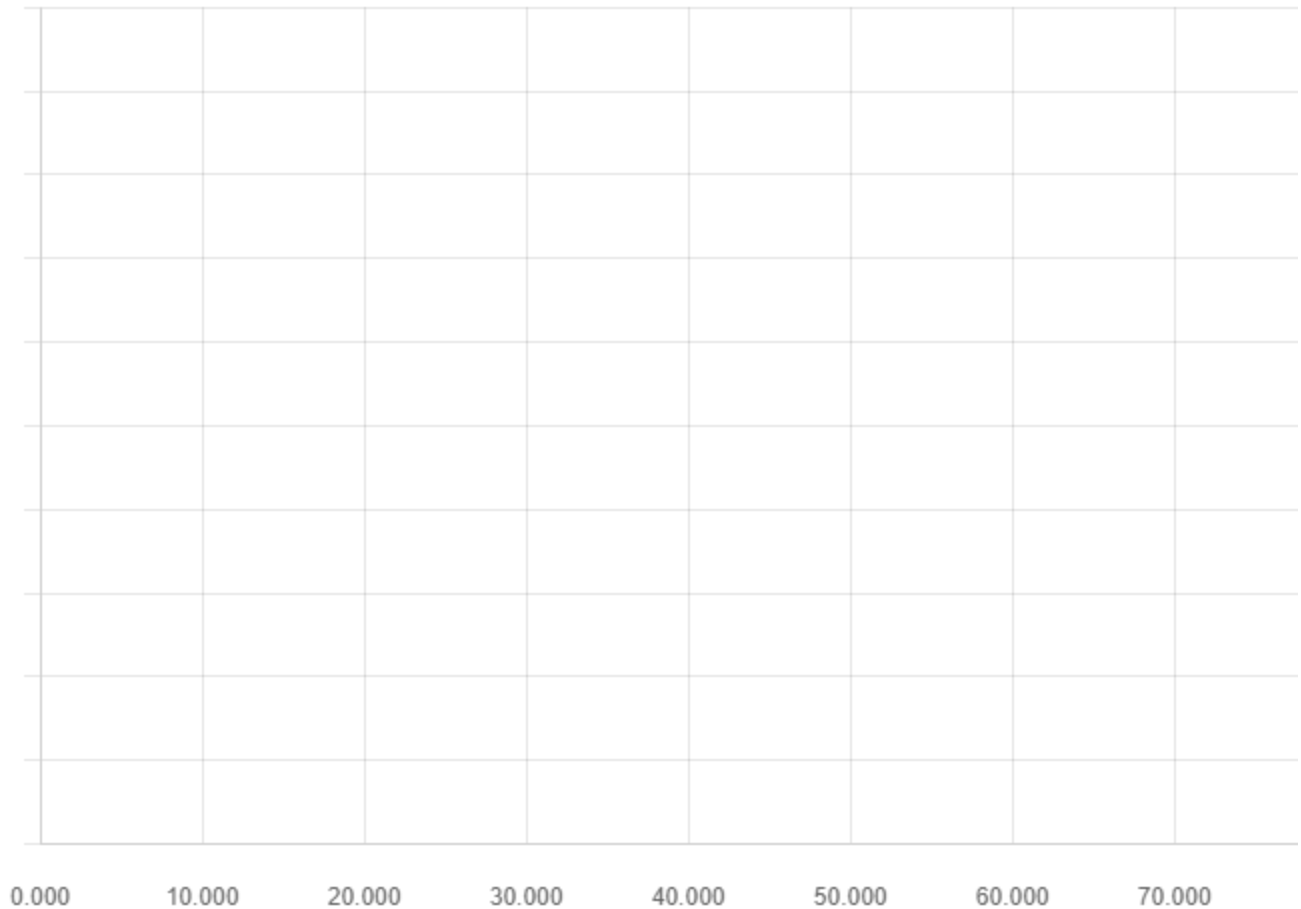
[SHOW MORE](#) 

Baseline Model Performance

[Accuracy](#)[Precision](#)

By using the UCI Machine Learning Repository, you acknowledge and accept the cookies and privacy practices used by the UCI Machine Learning Repository.

[READ POLICY](#)



Papers Citing this Dataset



SORT BY YEAR, DESC



[Custodes: Auditable Hypothesis Testing](#)

By Sacha Servan-Schreiber, Olga Ohrimenko, Tim Kraska, Emanuel Zraggen. 2019
Published in ArXiv.

[Hybrid Forest: A Concept Drift Aware Data Stream Mining Algorithm](#)

By Radin Rad, Maryam Haeri. 2019
Published in ArXiv.

[Rank correlated subgroup discovery](#)



By using the UCI Machine Learning Repository, you
acknowledge and accept the cookies and privacy practices
used by the UCI Machine Learning Repository.

READ POLICY

Published in Royal Society open science.

[Communication Optimality Trade-offs For Distributed Estimation](#)

By Anit Sahu, Dusan Jakovetic, Soummya Kar. 2018

Published in

Rows per page 0 to 5 of 57



Reviews



There are no reviews for this dataset yet.

[LOGIN TO WRITE A REVIEW](#)

DOWNLOAD



IMPORT IN PYTHON

CITE

” 57 citations

👁 169875 views

Keywords

ecology

Creators

👤 Warwick Nash

👤 Tracy Sellers

👤 Simon Talbot



By using the UCI Machine Learning Repository, you acknowledge and accept the cookies and privacy practices used by the UCI Machine Learning Repository.

[READ POLICY](#)

DOI

10.24432/C55C7W

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.

THE PROJECT

About Us

CML

National Science Foundation

NAVIGATION

Home

View Datasets

Donate a Dataset

LOGISTICS

Contact

Privacy Notice

Feature Request or Bug Report



By using the UCI Machine Learning Repository, you acknowledge and accept the cookies and privacy practices used by the UCI Machine Learning Repository.

[READ POLICY](#)