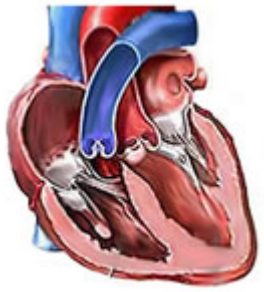
Statlog (Heart) Data Set

Download: Data Folder, Data Set Description

Abstract: This dataset is a heart disease database similar to a database already present in the repository (Heart Disease databases) but in a slightly different form



Data Set Characteristics:	Multivariate	**Number of Instances:**	270	**Area:**	Life
Attribute Characteristics:	Categorical, Real	**Number of Attributes:**	13	**Date Donated**	N/A
Associated Tasks:	Classification	**Missing Values?**	No	**Number of Web Hits:**	249525

Source:

N/A

Data Set Information:

Cost Matrix

_____ abse pres
absence 0 1
presence 5 0

where the rows represent the true values and the columns the predicted.

Attribute Information:

Attribute Information:

-- 1. age
-- 2. sex
-- 3. chest pain type (4 values)

-- 4. resting blood pressure
-- 5. serum cholesterol in mg/dl
-- 6. fasting blood sugar > 120 mg/dl
-- 7. resting electrocardiographic results (values 0,1,2)
-- 8. maximum heart rate achieved
-- 9. exercise induced angina
-- 10. oldpeak = ST depression induced by exercise relative to rest
-- 11. the slope of the peak exercise ST segment
-- 12. number of major vessels (0-3) colored by flourosopy
-- 13. thal: 3 = normal; 6 = fixed defect; 7 = reversable defect

Attributes types

Real: 1,4,5,8,10,12
Ordered:11,
Binary: 2,6,9
Nominal:7,3,13

Variable to be predicted

Absence (1) or presence (2) of heart disease

Relevant Papers:

N/A

Papers That Cite This Data Set[1]:

Gavin Brown. Diversity in Neural Network Ensembles. The University of Birmingham. 2004. [View Context].

Igor Kononenko and Edvard Simec and Marko Robnik-Sikonja. Overcoming the Myopia of Inductive Learning Algorithms with RELIEFF. Appl. Intell, 7. 1997. [View Context].

Elena Smirnova and Ida G. Sprinkhuizen-Kuyper and I. Nalbantis and b. ERIM and Universiteit Rotterdam. Unanimous Voting using Support Vector Machines. IKAT, Universiteit Maastricht. [View Context].

Alexander K. Seewald. Dissertation Towards Understanding Stacking Studies of a General Ensemble Learning Scheme ausgefuhrt zum Zwecke der Erlangung des akademischen Grades eines Doktors der technischen Naturwissenschaften. [View Context].

Citation Request:

Please refer to the Machine Learning Repository's citation policy

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[1] Papers were automatically harvested and associated with this data set, in collaboration with Rexa.info