Dataset   ❋ Released Under Reddit API Terms

⌃ 391

Heart Disease UCI

https://archive.ics.uci.edu/ml/datasets/Heart+Disease

ronit • updated 8 months ago (Version 1)

Data   Overview   Kernels (122)   Discussion (9)   Activity   Download (3 KB)   New Kernel   ⋮

Tags   classification   binary classification   health   biology

Description

Context

This database contains 76 attributes, but all published experiments refer to using a subset of 14 of them. In particular, the Cleveland database is the only one that has been used by ML researchers to this date. The "goal" field refers to the presence of heart disease in the patient. It is integer valued from 0 (no presence) to 4.

Content

Attribute Information:
> 1. age
> 2. sex
> 3. chest pain type (4 values)
> 4. resting blood pressure
> 5. serum cholestoral 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

The names and social security numbers of the patients were recently removed from the database, replaced with dummy values. One file has been "processed", that one containing the Cleveland database. All four unprocessed files also exist in this directory.

To see Test Costs (donated by Peter Turney), please see the folder "Costs"

Acknowledgements

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Inspiration

Experiments with the Cleveland database have concentrated on simply attempting to distinguish presence (values 1,2,3,4) from absence (value 0).

See if you can find any other trends in heart data to predict certain cardiovascular events or find any clear indications of heart health.