This database contains 13 attributes (which have been extracted from

a larger set of 75)

Attribute Information:

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 -- 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

Attributes types

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Real: 1,4,5,8,10,12

Ordered: 11

Binary: 2,6,9

Nominal: 7,3,13

Variable to be predicted

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

Cost Matrix

 abse pres

absence 0 1

presence 5 0

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

No missing values.

270 observations