

Codebook for heart

Autogenerated data summary from dataMaid

2020-03-02 15:43:21

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	303
Number of variables	14

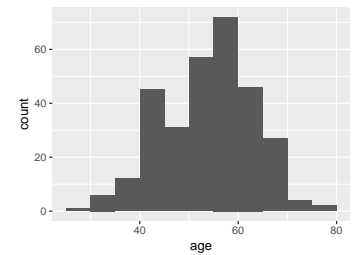
Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
	age	numeric	41	0.00 %	age in years
	sex	numeric	2	0.00 %	
	cp	numeric	4	0.00 %	chest pain type (0 = typical angina; 1 = atypical angina; 2 = non-anginal pain; 3 = asymptomatic)
	trestbps	numeric	49	0.00 %	resting blood pressure (in mm Hg on admission to the hospital)
	chol	numeric	152	0.00 %	serum cholestoral in mg/dl
	fbs	numeric	2	0.00 %	fasting blood sugar > 120 mg/dl (1 = true; 0 = false)
	restecg	numeric	3	0.00 %	resting electrocardiographic results (0 = normal; 1 = having ST-T wave abnormality; 2 = showing probable or definite left ventricular hypertrophy by Estes' criteria)
	thalach	numeric	91	0.00 %	maximum heart rate achieved
	exang	numeric	2	0.00 %	exercise induced angina (1 = yes; 0 = no)
	oldpeak	numeric	40	0.00 %	ST depression induced by exercise relative to rest
	slope	numeric	3	0.00 %	the slope of the peak exercise ST segment (0 = upsloping; 1 = flat; 2 = downsloping)
	ca	numeric	5	0.00 %	number of major vessels (0-4) colored by flourosopy
	thal	numeric	4	0.00 %	3 = normal; 6 = fixed defect; 7 = reversable defect
	target	numeric	2	0.00 %	presence of heart disease in the patient (0 = absence; 1 = presence)

Variable list

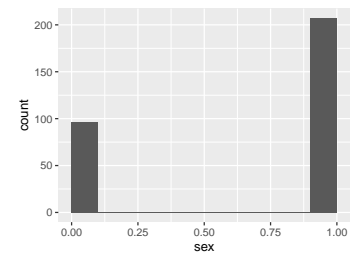
age

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	41
Median	55
1st and 3rd quartiles	47.5; 61
Min. and max.	29; 77



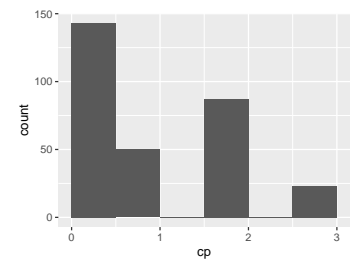
sex

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



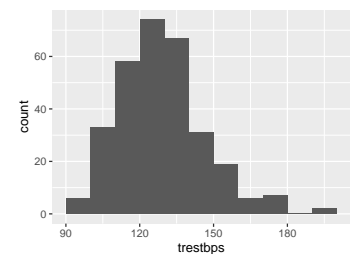
cp

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	4
Median	1
1st and 3rd quartiles	0; 2
Min. and max.	0; 3



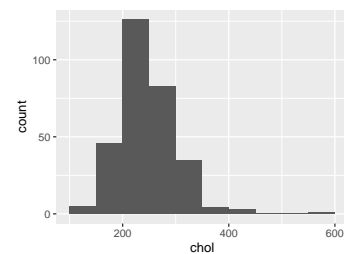
trestbps

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	49
Median	130
1st and 3rd quartiles	120; 140
Min. and max.	94; 200



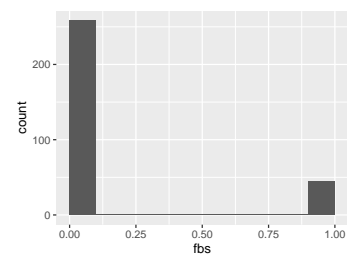
chol

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	152
Median	240
1st and 3rd quartiles	211; 274.5
Min. and max.	126; 564



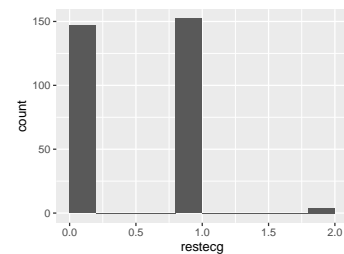
fbs

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 1



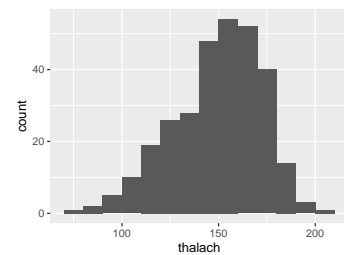
restecg

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	3
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 2



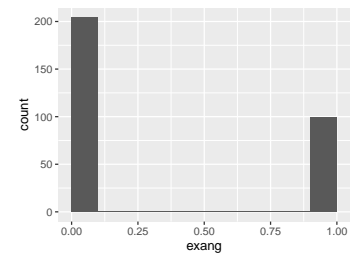
thalach

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	91
Median	153
1st and 3rd quartiles	133.5; 166
Min. and max.	71; 202



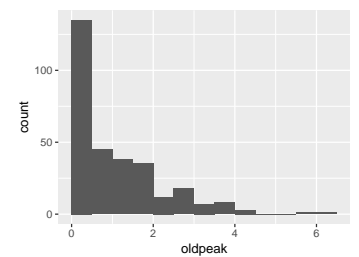
exang

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



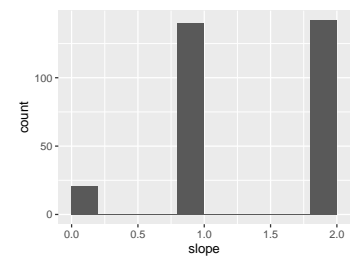
oldpeak

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	40
Median	0.8
1st and 3rd quartiles	0; 1.6
Min. and max.	0; 6.2



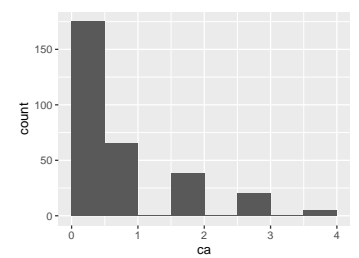
slope

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	3
Median	1
1st and 3rd quartiles	1; 2
Min. and max.	0; 2



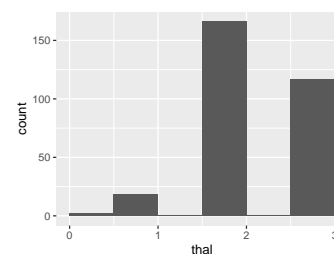
ca

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Median	0
1st and 3rd quartiles	0; 1
Min. and max.	0; 4



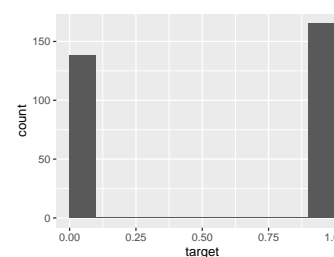
thal

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	4
Median	2
1st and 3rd quartiles	2; 3
Min. and max.	0; 3



target

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	0; 1
Min. and max.	0; 1



Report generation information:

- Created by: Junhua Tan (username: JunhuaTan).
- Report creation time: Mon Mar 02 2020 15:43:21
- Report was run from directory: /Users/JunhuaTan/Desktop/College/WI2020/STAT 301-2/Final Project
- dataMaid v1.4.0 [Pkg: 2019-12-10 from CRAN (R 3.6.0)]
- R version 3.6.1 (2019-07-05).
- Platform: x86_64-apple-darwin15.6.0 (64-bit)(macOS Catalina 10.15).
- Function call: `dataMaid::makeDataReport(data = heart, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_heart.Rmd", replace = TRUE, checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "Codebook for heart")`