diamonds

Autogenerated data summary from dataMaid

2020-10-19 12:37:22

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	53940
Number of variables	10

Checks performed

The following variable checks were performed, depending on the data type of each variable:

	character	factor	labelled	haven labelled	numeric	integer	logical	Date
Identify miscoded missing values	×	×	×	×	×	×		×
Identify prefixed and suffixed whitespace	×	×	×	×				
Identify levels with < 6 obs.	×	×	×	×				
Identify case issues	×	×	×	×				
Identify misclassified numeric or integer variables	×	×	×	×				
Identify outliers					×	×		×

Please note that all numerical values in the following have been rounded to 2 decimals.

Summary table

	Variable class	# unique values	Missing observations	Any problems?
carat	numeric	273	0.00 %	×
cut	ordered	5	0.00 %	
color	ordered	7	0.00 %	
clarity	ordered	8	0.00 %	
depth	numeric	184	0.00 %	×
table	numeric	127	0.00 %	×
price	integer	11602	0.00 %	
x	numeric	554	0.00 %	×
y	numeric	552	0.00 %	×
z	numeric	375	0.00 %	×

Variable list

carat

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	273
Median	0.7
1st and 3rd quartiles	0.4; 1.04
Min. and max.	0.2; 5.01
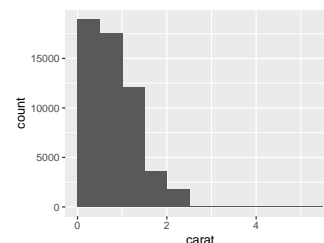
- Note that the following possible outlier values were detected: "2.47", "2.48", "2.49", "2.5", "2.51", "2.52", "2.53", "2.54", "2.55", "2.56" (36 additional values omitted).
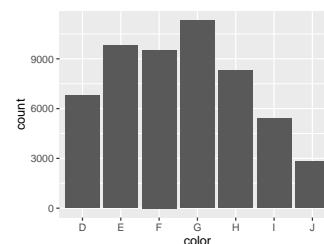
cut

Feature	Result
Variable type	ordered
Number of missing obs.	0 (0 %)
Number of unique values	5
Mode	"Ideal"
Reference category	Fair
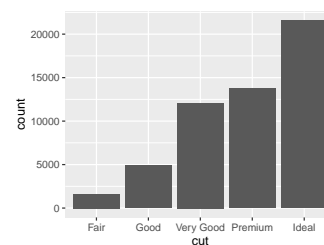
color

Feature	Result
Variable type	ordered
Number of missing obs.	0 (0 %)
Number of unique values	7
Mode	"G"
Reference category	D

clarity

Feature	Result
Variable type	ordered
Number of missing obs.	0 (0 %)
Number of unique values	8
Mode	"SI1"
Reference category	I1
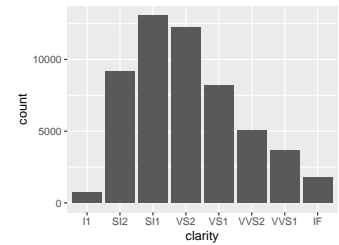
depth

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	184
Median	61.8
1st and 3rd quartiles	61; 62.5
Min. and max.	43; 79
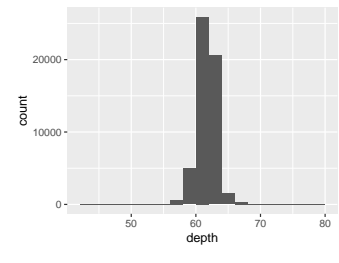
- Note that the following possible outlier values were detected: "43", "44", "50.8", "51", "52.2", "52.3", "52.7", "53", "53.1", "53.2" (114 additional values omitted).
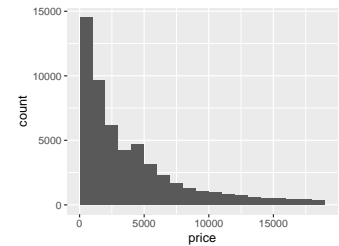
table

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	127
Median	57
1st and 3rd quartiles	56; 59
Min. and max.	43; 95
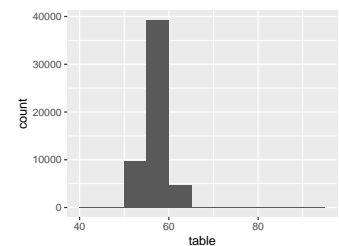
- Note that the following possible outlier values were detected: "43", "44", "49", "50", "50.1", "51", "51.6", "52", "52.4", "52.8" (18 additional values omitted).
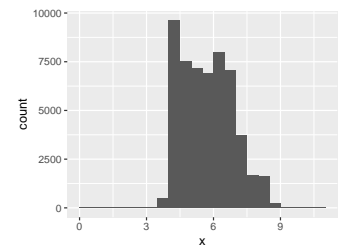
price

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	11602
Median	2401
1st and 3rd quartiles	950; 5324.25
Min. and max.	326; 18823

x

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	554
Median	5.7
1st and 3rd quartiles	4.71; 6.54
Min. and max.	0; 10.74

- Note that the following possible outlier values were detected: "0", "9.17", "9.23", "9.24", "9.25", "9.26", "9.3", "9.32", "9.35", "9.36" (17 additional values omitted).

y

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	552
Median	5.71
1st and 3rd quartiles	4.72; 6.54
Min. and max.	0; 58.9
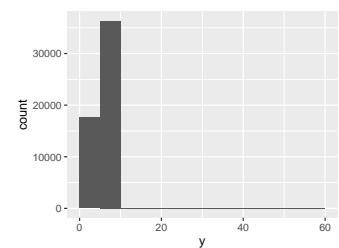
- Note that the following possible outlier values were detected: "0", "9.01", "9.02", "9.03", "9.07", "9.1", "9.13", "9.14", "9.19", "9.2" (22 additional values omitted).

5

z

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	375
Median	3.53
1st and 3rd quartiles	2.91; 4.04
Min. and max.	0; 31.8
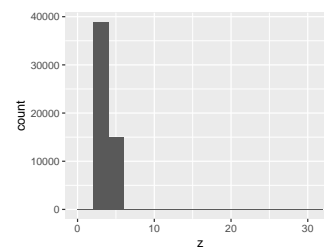
- Note that the following possible outlier values were detected: "0", "5.56", "5.57", "5.58", "5.59", "5.6", "5.61", "5.62", "5.64", "5.65" (29 additional values omitted).

Report generation information:

- Created by: error: invalid key: Spyrison/.gitconfig (username: `Nicholas Spyrison`).

- Report creation time: Mon Oct 19 2020 12:37:24

- Report was run from directory: `C:/Users/Nicholas Spyrison/Documents/R/tidy_tuesday_national_parks`

- dataMaid v1.4.0 [Pkg: 2019-12-10 from CRAN (R 4.0.3)]

- R version 4.0.2 (2020-06-22).

- Platform: x86_64-w64-mingw32/x64 (64-bit)(Windows 10 x64 (build 18362)).

- Function call: `dataMaid::makeDataReport(data = diamonds)`