

autos

Autogenerated data summary from dataMaid

2018-10-01 23:40:21

Data report overview

The dataset examined has the following dimensions:

| Feature | Result |
|------------------------|--------|
| Number of observations | 74 |
| Number of variables | 12 |

0:1

Checks performed

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

| | character | factor | 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.

Codebook summary table

| Label | Variable | Class | # unique values | Missing | Description |
|-------|---------------------|-----------|--------------------|---------|-------------|
| | make | character | 74 | 0.00 % | |
| | price | integer | 74 | 0.00 % | |
| | mpg | integer | 21 | 0.00 % | |
| | rep78 | integer | 6 | 6.76 % | |
| | headroom | numeric | 8 | 0.00 % | |
| | trunk | integer | 18 | 0.00 % | |
| | weight | integer | 64 | 0.00 % | |
| | length | integer | 47 | 0.00 % | |
| | turn | integer | 18 | 0.00 % | |
| | displacement | integer | 31 | 0.00 % | |

| Label | Variable | Class | # unique values | Missing | Description |
|-------|-------------------|---------|-----------------|---------|-------------|
| | gear_ratio | numeric | 36 | 0.00 % | |
| | foreign | factor | 2 | 0.00 % | |

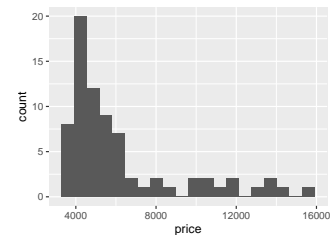
Variable list

make

- The variable is a key (distinct values for each observation).

price

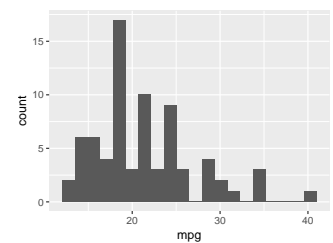
| Feature | Result |
|-------------------------|------------------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 74 |
| Median | 5006.5 |
| 1st and 3rd quartiles | 4220.25; 6332.25 |
| Min. and max. | 3291; 15906 |



- Note that the following possible outlier values were detected: "3291", "3299", "3667".

mpg

| Feature | Result |
|-------------------------|-----------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 21 |
| Median | 20 |
| 1st and 3rd quartiles | 18; 24.75 |
| Min. and max. | 12; 41 |

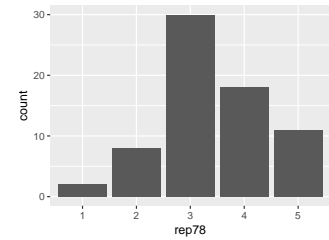


- Note that the following possible outlier values were detected: "12", "14".

rep78

- Note that this variable is treated as a factor variable below, as it only takes a few unique values.

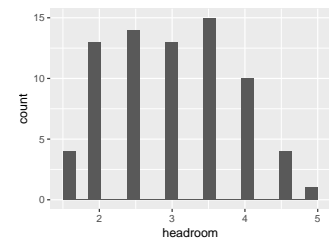
| Feature | Result |
|-------------------------|------------|
| Variable type | integer |
| Number of missing obs. | 5 (6.76 %) |
| Number of unique values | 5 |
| Mode | "3" |



- Note that the following levels have at most five observations: "1".

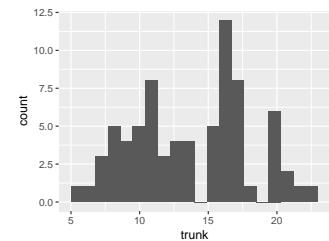
headroom

| Feature | Result |
|-------------------------|----------|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 8 |
| Median | 3 |
| 1st and 3rd quartiles | 2.5; 3.5 |
| Min. and max. | 1.5; 5 |



trunk

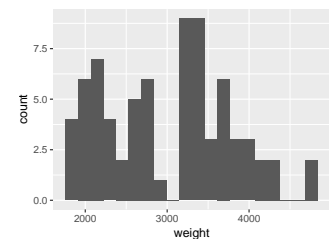
| Feature | Result |
|-------------------------|--------------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 18 |
| Median | 14 |
| 1st and 3rd quartiles | 10.25; 16.75 |
| Min. and max. | 5; 23 |



- Note that the following possible outlier values were detected: "23".

weight

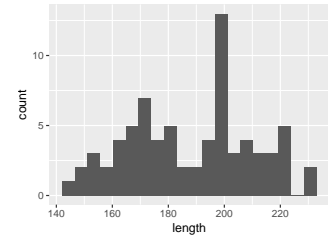
| Feature | Result |
|-------------------------|------------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 64 |
| Median | 3190 |
| 1st and 3rd quartiles | 2250; 3600 |
| Min. and max. | 1760; 4840 |



- Note that the following possible outlier values were detected: "4130", "4290", "4330", "4720", "4840".

length

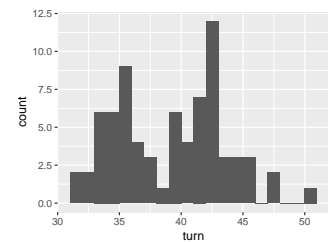
| Feature | Result |
|-------------------------|-------------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 47 |
| Median | 192.5 |
| 1st and 3rd quartiles | 170; 203.75 |
| Min. and max. | 142; 233 |



- Note that the following possible outlier values were detected: "220", "221", "222", "230", "233".

turn

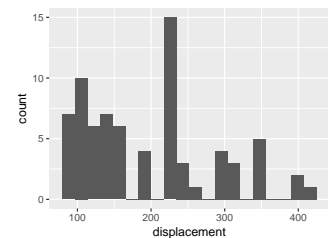
| Feature | Result |
|-------------------------|---------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 18 |
| Median | 40 |
| 1st and 3rd quartiles | 36; 43 |
| Min. and max. | 31; 51 |



- Note that the following possible outlier values were detected: "51".

displacement

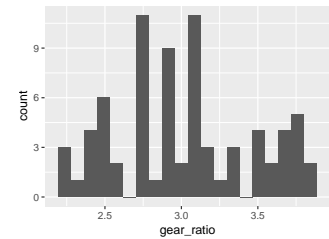
| Feature | Result |
|-------------------------|-------------|
| Variable type | integer |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 31 |
| Median | 196 |
| 1st and 3rd quartiles | 119; 245.25 |
| Min. and max. | 79; 425 |



- Note that the following possible outlier values were detected: "400", "425".

gear_ratio

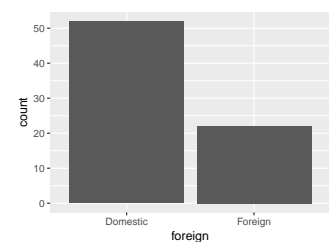
| Feature | Result |
|-------------------------|------------|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 36 |
| Median | 2.96 |
| 1st and 3rd quartiles | 2.73; 3.35 |
| Min. and max. | 2.19; 3.89 |



- Note that the following possible outlier values were detected: "2.19", "2.24", "2.26", "2.28".

foreign

| Feature | Result |
|-------------------------|------------|
| Variable type | factor |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | "Domestic" |



Report generation information:

- Created by Lars Vilhuber (username: vilhuber).
- Report creation time: Mon Oct 01 2018 23:40:22
- Report Was run from directory: /mnt/local/slow_home/vilhuber/Workspace-non-encrypted/git/AEA/aea-de-guida
- dataMaid v1.1.2 [Pkg: 2018-05-03 from CRAN (R 3.5.1)]
- R version 3.5.1 (2018-07-02).
- Platform: x86_64-suse-linux-gnu (64-bit)(openSUSE Leap 42.3).
- Function call: makeDataReport(data = autos, file = "codebook_autos.Rmd", replace = TRUE, openResult = FALSE, codebook = TRUE)