Overview

Dataset info

Number of variables	26
Number of observations	205
Missing cells	0 (0.0%)
Duplicate rows	0 (0.0%)
Total size in memory	41.7 KiB
Average record size in memory	208.4 B

Variables types

Numeric	9
Categorical	16
Boolean	0
Date	0
URL	0
Text (Unique)	0
Rejected	1
Unsupported	0

Warnings

`highway-mpg` is highly correlated with `city-mpg` (ρ = 0.9713370423)	Rejected
`horsepower` has a high cardinality: 60 distinct values	Warning
`normalized-losses` has a high cardinality: 52 distinct values	Warning
`price` has a high cardinality: 187 distinct values	Warning
`symboling` has 67 (32.7%) zeros	Zeros

Variables

aspiration
Categorical

Distinct count	2
Unique (%)	1.0%
Missing (%)	0.0%
Missing (n)	0

std	168
turbo	37

Toggle details

body-style
Categorical

Distinct count	5
Unique (%)	2.4%
Missing (%)	0.0%
Missing (n)	0

sedan	96
hatchback	70
wagon	25
Other values (2)	14

Toggle details

bore
Categorical

Distinct count	39
Unique (%)	19.0%
Missing (%)	0.0%
Missing (n)	0

3.62	23
3.19	20
3.15	15
Other values (36)	147

Toggle details

city-mpg
Numeric

Distinct count	29
Unique (%)	14.1%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	25.2195122
Minimum	13
Maximum	49
Zeros (%)	0.0%
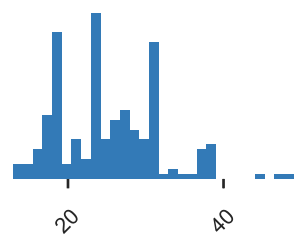
Toggle details

compression-ratio
Numeric

Distinct count	32
Unique (%)	15.6%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	10.14253659
Minimum	7
Maximum	23
Zeros (%)	0.0%
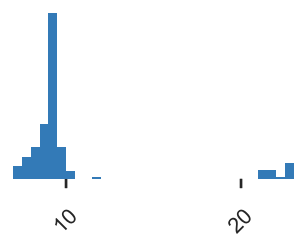
Toggle details

curb-weight
Numeric

Distinct count	171
Unique (%)	83.4%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	2555.565854
Minimum	1488
Maximum	4066
Zeros (%)	0.0%
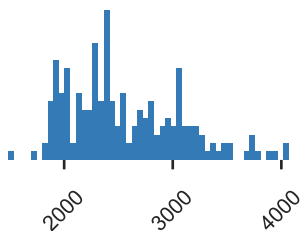
Toggle details

drive-wheels
Categorical

Distinct count	3
Unique (%)	1.5%
Missing (%)	0.0%
Missing (n)	0

fwd	120
rwd	76
4wd	9

Toggle details

engine-location
Categorical

Distinct count	2
Unique (%)	1.0%
Missing (%)	0.0%
Missing (n)	0

front	202
rear	3

engine-size
Numeric

Distinct count	44
Unique (%)	21.5%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	126.9073171
Minimum	61
Maximum	326
Zeros (%)	0.0%
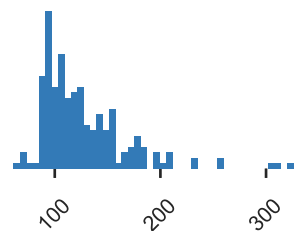
engine-type
Categorical

Distinct count	7
Unique (%)	3.4%
Missing (%)	0.0%
Missing (n)	0

ohc	148
ohcf	15
ohcv	13
Other values (4)	29

fuel-system
Categorical

Distinct count	8
Unique (%)	3.9%

Missing (%)	0.0%		
Missing (n)	0		

mpfi		94
2bbl		66
idi	20	
Other values (5)	25	

Toggle details

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fuel-type
Categorical

Distinct count	2
Unique (%)	1.0%
Missing (%)	0.0%
Missing (n)	0

gas		185
diesel	20	

Toggle details

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height
Numeric

Distinct count	49
Unique (%)	23.9%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	53.72487805
Minimum	47.8
Maximum	59.8
Zeros (%)	0.0%
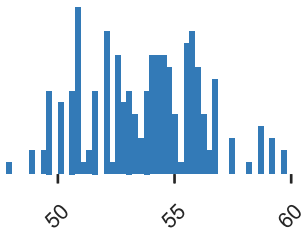
Toggle details

horsepower
Categorical

Distinct count	60
Unique (%)	29.3%
Missing (%)	0.0%
Missing (n)	0

68	19
70	11
69	10
Other values (57)	165

Toggle details

length
Numeric

Distinct count	75
Unique (%)	36.6%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	174.0492683
Minimum	141.1
Maximum	208.1
Zeros (%)	0.0%
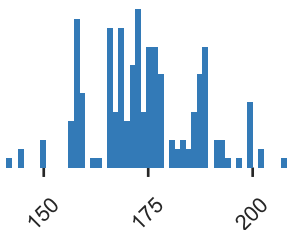
Toggle details

make
Categorical

Distinct count	22
Unique (%)	10.7%
Missing (%)	0.0%
Missing (n)	0

toyota	32
nissan	18
mazda	17
Other values (19)	138

Toggle details

normalized-losses
Categorical

Distinct count	52
Unique (%)	25.4%
Missing (%)	0.0%
Missing (n)	0

?	41
161	11
91	8
Other values (49)	145

Toggle details

num-of-cylinders
Categorical

Distinct count	7
Unique (%)	3.4%
Missing (%)	0.0%
Missing (n)	0

four	159
six	24
five	11
Other values (4)	11

Toggle details

num-of-doors
Categorical

Distinct count	3
Unique (%)	1.5%
Missing (%)	0.0%
Missing (n)	0

four	114
two	89
?	2

Toggle details

peak-rpm
Categorical

Distinct count	24
Unique (%)	11.7%
Missing (%)	0.0%
Missing (n)	0

5500	37
4800	36
5000	27
Other values (21)	105

Toggle details

price
Categorical

Distinct count	187
Unique (%)	91.2%
Missing (%)	0.0%
Missing (n)	0

?	4
7898	2
6229	2
Other values (184)	197

Toggle details

stroke
Categorical

Distinct count	37
Unique (%)	18.0%
Missing (%)	0.0%
Missing (n)	0

3.4	20
3.15	14
3.03	14
Other values (34)	157

Toggle details

symboling
Numeric

Distinct count	6
Unique (%)	2.9%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	0.8341463415
Minimum	-2
Maximum	3
Zeros (%)	32.7%
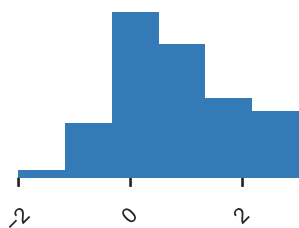
Toggle details

wheel-base
Numeric

Distinct count	53
Unique (%)	25.9%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0

Mean	98.75658537
Minimum	86.6
Maximum	120.9
Zeros (%)	0.0%
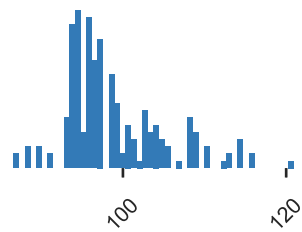
Toggle details

width
Numeric

Distinct count	44
Unique (%)	21.5%
Missing (%)	0.0%
Missing (n)	0
Infinite (%)	0.0%
Infinite (n)	0
Mean	65.90780488
Minimum	60.3
Maximum	72.3
Zeros (%)	0.0%
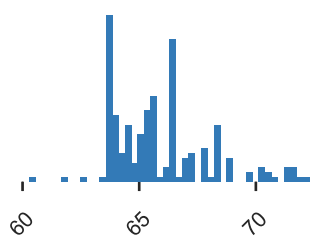
Toggle details

Correlations

| Pearson's r | Spearman's ρ | Kendall's τ | Phik (φ_k) | Cramér's V (φ_c) | Recoded |
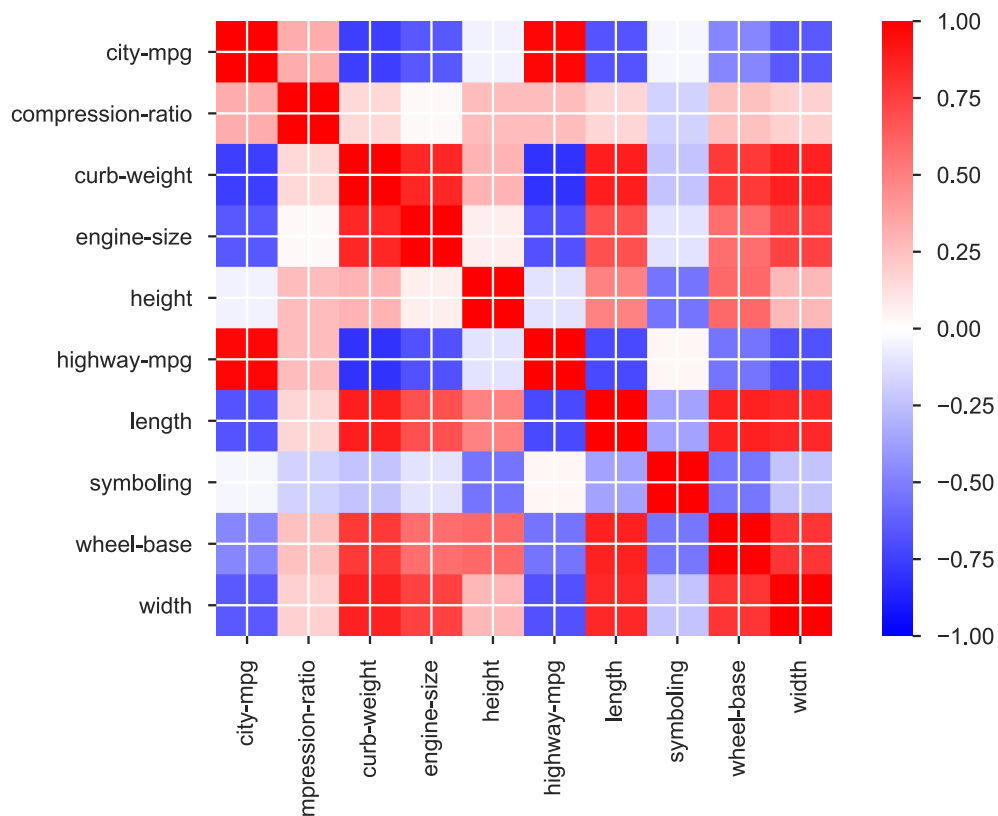
Missing values
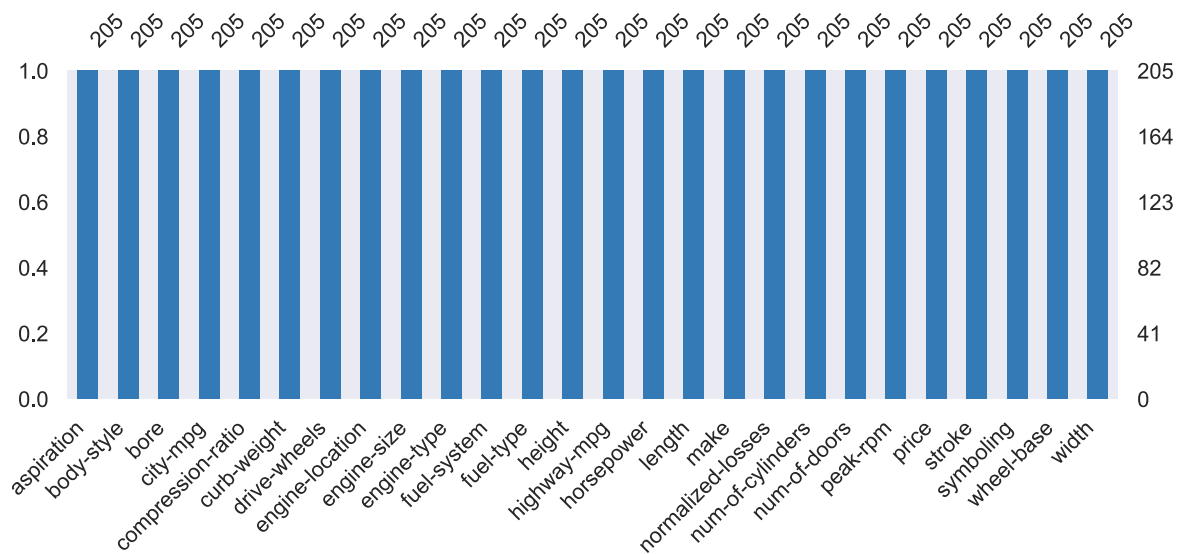
Sample

First rows

	aspiration	body-style	bore	city-mpg	compression-ratio	curb-weight	drive-wheels
0	std	convertible	3.47	21	9.0	2548	rwd
1	std	convertible	3.47	21	9.0	2548	rwd
2	std	hatchback	2.68	19	9.0	2823	rwd
3	std	sedan	3.19	24	10.0	2337	fwd
4	std	sedan	3.19	18	8.0	2824	4wd
5	std	sedan	3.19	19	8.5	2507	fwd
6	std	sedan	3.19	19	8.5	2844	fwd
7	std	wagon	3.19	19	8.5	2954	fwd
8	turbo	sedan	3.13	17	8.3	3086	fwd
9	turbo	hatchback	3.13	16	7.0	3053	4wd
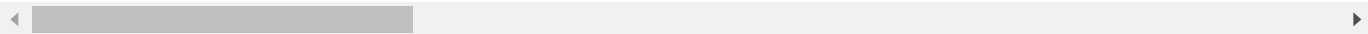
Last rows

	aspiration	body-style	bore	city-mpg	compression-ratio	curb-weight	drive-wheels
195	std	wagon	3.78	23	9.5	3034	rwd
196	std	sedan	3.78	24	9.5	2935	rwd
197	std	wagon	3.78	24	9.5	3042	rwd
198	turbo	sedan	3.62	17	7.5	3045	rwd
199	turbo	wagon	3.62	17	7.5	3157	rwd
200	std	sedan	3.78	23	9.5	2952	rwd
201	turbo	sedan	3.78	19	8.7	3049	rwd

	aspiration	body-style	bore	city-mpg	compression-ratio	curb-weight	drive-wheels
202	std	sedan	3.58	18	8.8	3012	rwd
203	turbo	sedan	3.01	26	23.0	3217	rwd
204	turbo	sedan	3.78	19	9.5	3062	rwd