



Automobiles dataset investigation



Basic Statistics

Top Models

Insights

Models Detalization

Dashboard info



Automobiles dataset investigation - Basic Statistics



Year

- ☐ 1970
- ☐ 1971
- ☐ 1972

Origin



Vendor

AMC

AUDI

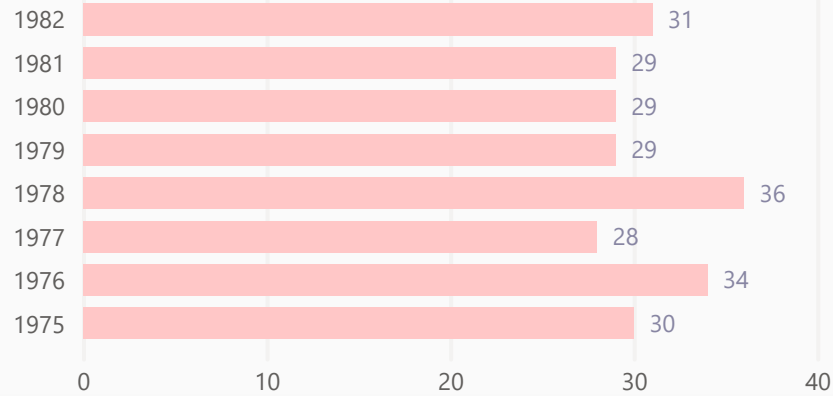
BMW

BUICK

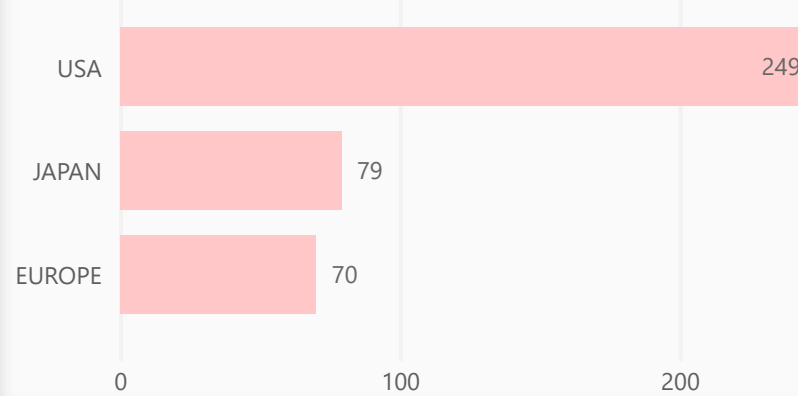


Model

Models count by year



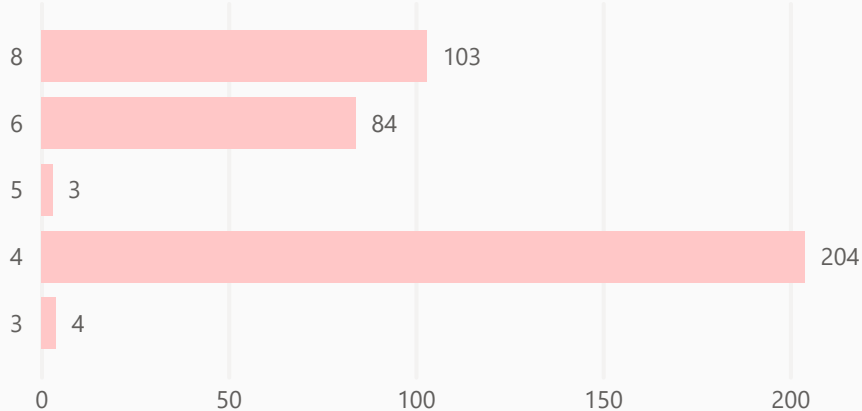
Models count by origin



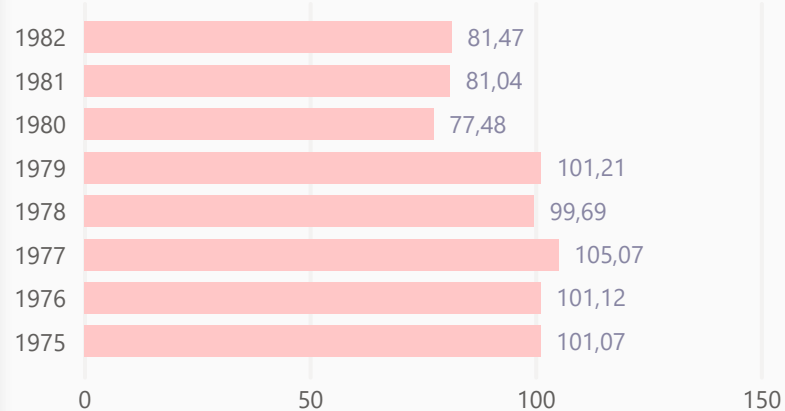
Models count by vendor

Vendor	Models count
FORD	51
CHEVROLET	47
PLYMOUTH	31
AMC	28
DODGE	28
TOYOTA	27
DATSUN	23
VOLKSWAGEN	22
BUICK	17
PONTIAC	16
HONDA	13
MAZDA	12
MERCURY	11
OLDSMOBILE	10
FIAT	8
PEUGEOT	8
AUDI	7
CHRYSLER	6
Total	398

Models count by Cylinders



Average horsepower by year





Automobiles dataset investigation - Top Models




Year


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Origin







Vendor

AMC

AUDI

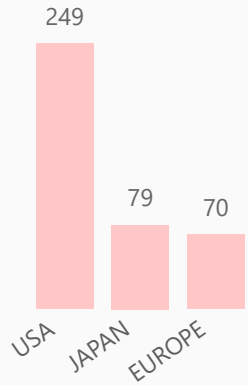
BMW

BUICK

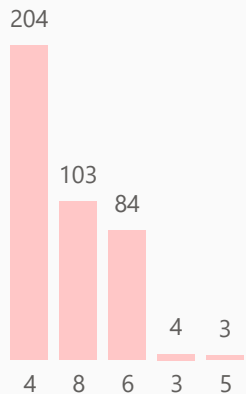
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Model

Models count by origin



Models count by Cylinders



Top 10 Models by engine volume

#	Vendor	Model	Year	Displacement, in3
1	FIAT	128	1973	68
2	MAZDA	RX2 COUPE	1972	70
3	MAZDA	RX3	1973	70
4	MAZDA	RX-7 GS	1980	70
5	TOYOTA	COROLLA 1200	1971	71
6	TOYOTA	COROLLA 1200	1974	71
7	DATSUN	1200	1971	72
8	TOYOTA	CORONA	1974	76
9	MAZDA	GLC DELUXE	1978	78
10	DATSUN	B210	1974	79

Top 10 Heaviest Models

#	Vendor	Model	Year	weight
1	PONTIAC	SAFARI (SW)	1971	5140
2	CHEVROLET	IMPALA	1973	4997
3	DODGE	MONACO (SW)	1971	4955
4	MERCURY	MARQUIS BROUGHAM	1973	4952
5	BUICK	ELECTRA 225 CUSTOM	1973	4951
6	FORD	COUNTRY	1973	4906
7	FORD	COUNTRY SQUIRE (SW)	1971	4746
8	CHRYSLER	NEW YORKER BROUGHAM	1973	4735
9	TOYOTA	1200D	1970	4732
10	BUICK	CENTURY LUXUS (SW)	1974	4699

Top 10 Models by fuel consumption

#	Vendor	Model	Year	Miles per gallon
1	TOYOTA	1200D	1970	9
2	FORD	F250	1970	10
3	CHEVROLET	C20	1970	10
4	DODGE	D200	1970	11
5	MERCURY	MARQUIS	1972	11
6	OLDSMOBILE	OMEGA	1973	11
7	CHEVROLET	IMPALA	1973	11
8	DODGE	MONACO (SW)	1971	12
9	FORD	COUNTRY	1973	12
10	MERCURY	MARQUIS BROUGHAM	1973	12

Top 10 Models by speed acceleration

#	Vendor	Model	Year	acceleration
1	PLYMOUTH	'CUDA 340	1970	8,00
2	AMC	AMBASSADOR DPL	1970	8,50
3	PLYMOUTH	FURY III	1970	8,50
4	CHEVROLET	IMPALA	1970	9,00
5	PONTIAC	GRAND PRIX	1973	9,50
6	CHEVROLET	MONTE CARLO	1970	9,50
7	DODGE	CHALLENGER SE	1970	10,00
8	FORD	GALAXIE 500	1970	10,00
9	PONTIAC	CATALINA	1970	10,00
10	BUICK	ESTATE WAGON (SW)	1970	10,00



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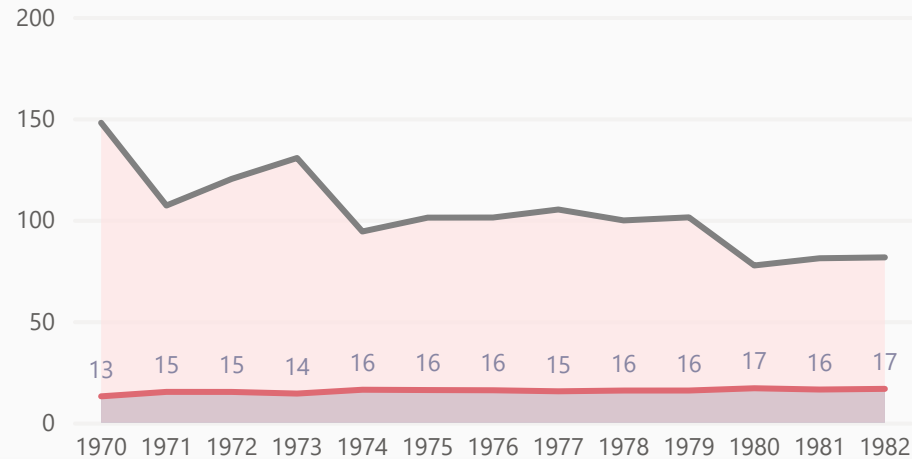
BUICK

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Model

☐ 100LS

Average acceleration and horsepower over years



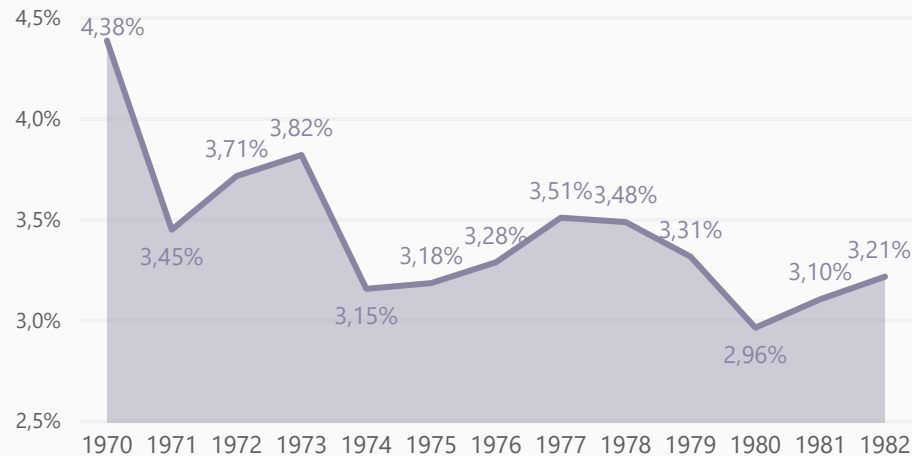
Vendors and power to displacement efficiency

Vendor	Average power to displacement %
SAAB	93,15%
BMW	92,15%
MAZDA	88,51%
DATSUN	81,18%
FIAT	79,65%
VOLVO	78,03%
AUDI	77,52%
TOYOTA	74,09%
SUBARU	73,68%
NISSAN	72,32%

Vendors and acceleration to power efficiency

Vendor	Average acceleration to power %
RENAULT	40,48%
VOLKSWAGEN	27,14%
HONDA	23,57%
SUBARU	23,03%
PEUGEOT	22,22%
MERCEDES	22,20%
FIAT	21,33%
MAZDA	20,72%
DATSUN	19,57%
OPEL	18,80%

Average power to weight proportion over years



Vendors and power to weight efficiency

Vendor	Average power to weight %
BMW	4,61%
SAAB	4,14%
NISSAN	4,07%
CHRYSLER	3,93%
BUICK	3,84%
PONTIAC	3,75%
DATSUN	3,74%
CADILLAC	3,68%
OPEL	3,68%
TOYOTA	3,67%
DODGE	3,65%

Vendors and acceleration to power efficiency

Vendor	Average Acceleration to displacement
RENAULT	18,44%
MAZDA	18,34%
VOLKSWAGEN	18,31%
FIAT	16,99%
SUBARU	16,97%
HONDA	16,45%
DATSUN	15,89%
PEUGEOT	15,73%
AUDI	14,25%
OPEL	13,69%
TOYOTA	13,58%



Automobiles dataset investigation - Model Details



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>

Model

Model details								
Vendor	Year	Model name	Horsepower	Acceleration to 100 km/h, sec	Cylinders	Displacement, in3	Miles per gallon	Weight, pounds
AMC	1970	AMBASSADOR DPL	190	8,50	8	390	15	3850
AMC	1970	GREMLIN	90	15,00	6	199	21	2648
AMC	1970	HORNET	97	15,50	6	199	18	2774
AMC	1970	REBEL SST	150	12,00	8	304	16	3433
AMC	1971	GREMLIN	100	13,00	6	232	19	2634
AMC	1971	HORNET SPORTABOUT (SW)	110	13,50	6	258	18	2962
AMC	1971	MATADOR	100	15,50	6	232	18	3288
AMC	1972	AMBASSADOR SST	150	11,50	8	304	17	3672
AMC	1972	MATADOR (SW)	150	12,50	8	304	15	3892
AMC	1973	AMBASSADOR BROUGHAM	175	11,00	8	360	13	3821
AMC	1973	GREMLIN	100	15,00	6	232	18	2789
AMC	1973	HORNET	100	16,00	6	232	18	2945
AMC	1973	MATADOR	150	11,50	8	304	14	3672
AMC	1974	HORNET	100	16,00	6	232	19	2901
AMC	1974	MATADOR	110	18,00	6	258	16	3632
AMC	1974	MATADOR (SW)	150	15,50	8	304	14	4257
AMC	1975	GREMLIN	100	16,00	6	232	20	2914
AMC	1975	MATADOR	110	18,00	6	258	15	3720