

What drives the price of a car?



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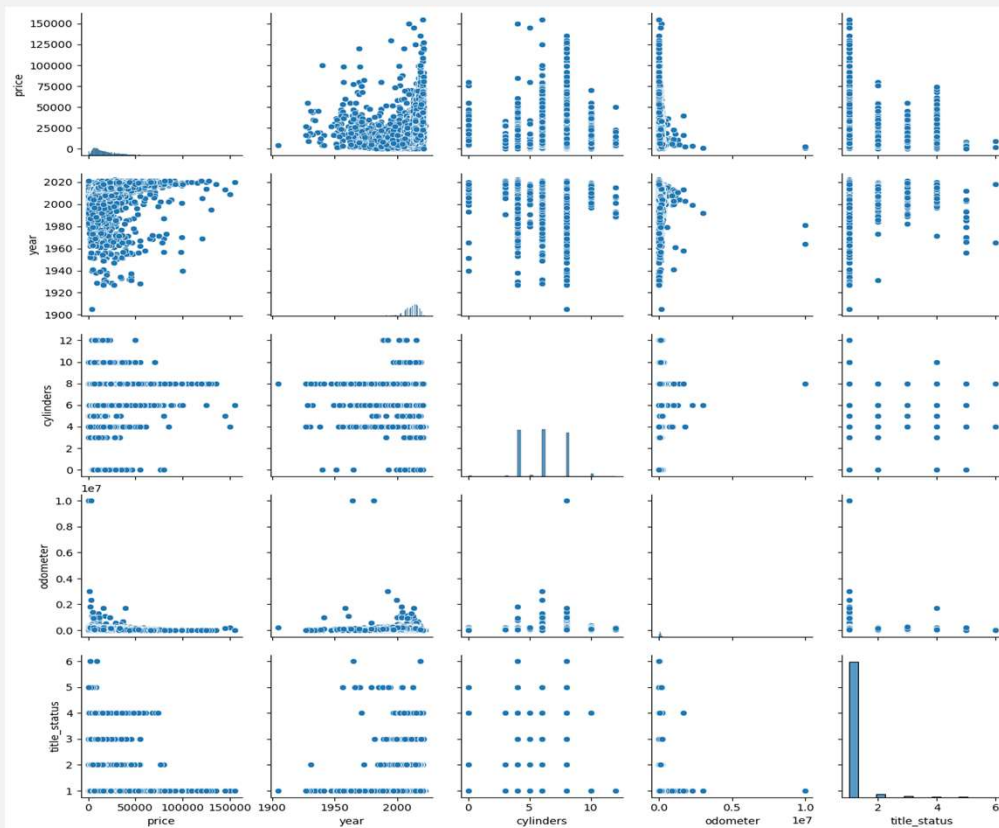
- Features considered in car sales
- Visual plots with the findings
- Recommendation to the dealer

Key data set features

- Car price
- Year
- Cylinders
- Fuel type
- Odometer
- Size
- Title status

region	price	year	manufacturer	model	condition	cylinders	fuel	odometer	title_status	transmission	VIN	drive	size
birmingham	4000	2002.0	toyota	echo	excellent	4 cylinders	gas	155000.0	clean	automatic	JTDBT123520243495	fwd	compact
birmingham	2500	1995.0	bmw	525i	fair	6 cylinders	gas	110661.0	clean	automatic	WBAHD6322SGK86772	rwd	mid-size
birmingham	9000	2008.0	mazda	miata mx-5	excellent	4 cylinders	gas	56700.0	clean	automatic	JM1NC25F570128735	rwd	compact
birmingham	8950	2011.0	ford	f-150	excellent	6 cylinders	gas	164000.0	clean	automatic	1FTMF1CM6BKD55331	fwd	full-size
birmingham	4000	1972.0	mercedes-benz	benz	fair	6 cylinders	gas	88100.0	clean	automatic	1.14023E+13	rwd	full-size
...
wyoming	23495	2015.0	ford	f150 xlt 4x4	like new	8 cylinders	gas	146795.0	clean	automatic	1FTFX1EF5FFC24427	4wd	full-size
wyoming	12995	2016.0	chevrolet	cruze lt	like new	4 cylinders	gas	61127.0	clean	automatic	1G1BE5SM0G7266569	fwd	compact
wyoming	32999	2014.0	ford	f350, xlt	excellent	8 cylinders	diesel	154642.0	clean	automatic	1FT8W3DT3EEB41548	4wd	full-size
wyoming	15999	2018.0	chevrolet	cruze, lt	excellent	4 cylinders	gas	36465.0	clean	automatic	1G1BE5SM7J7133704	fwd	mid-size
wyoming	6800	1997.0	jaguar	xk8 convertible	good	8 cylinders	gas	69550.0	clean	automatic	SAJGX2749VCOO8376	rwd	compact

Factors impacting the Price



- Latest the year of the car, prices are increasing
- 4,6 and 8 cylinders cars are moving fast
- Lesser mileage on the car, higher are the price
- Clean title status is must for the resale.

Recommendations

- Recent Year model , lesser mileage and with clean title have higher price.
- As the mileage increases the price of the vehicle seems to be reducing
- Price of the car is not even across states
- Electric vehicles are not yet a favored vehicle in the resale market
- 4, 6 and 8 cylinders are fast moving and having good price compared to other cylinders.



Thank You