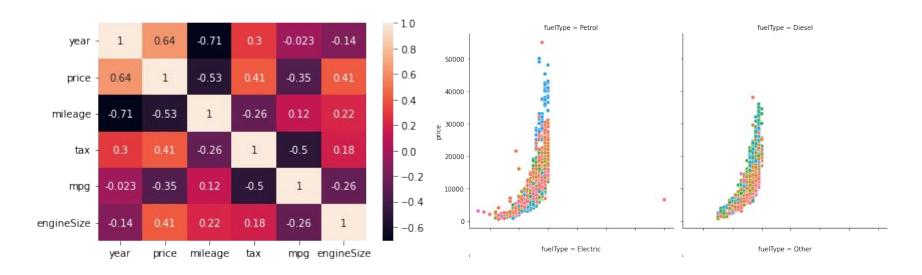
Trends Among the Sale of Old and New Ford Vehicles

Aryan Mistry, Bowen Zheng, Daniel Neufeldt, Harry, Takao Oba

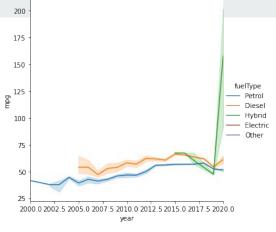
Data Overview, Cleaning, and Exploration:

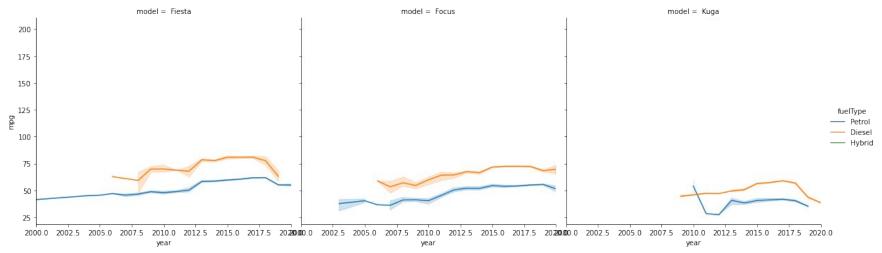


Bowen - Question

Are cars of the Ford brand increasing in mpg over the years?

Bowen - Analysis





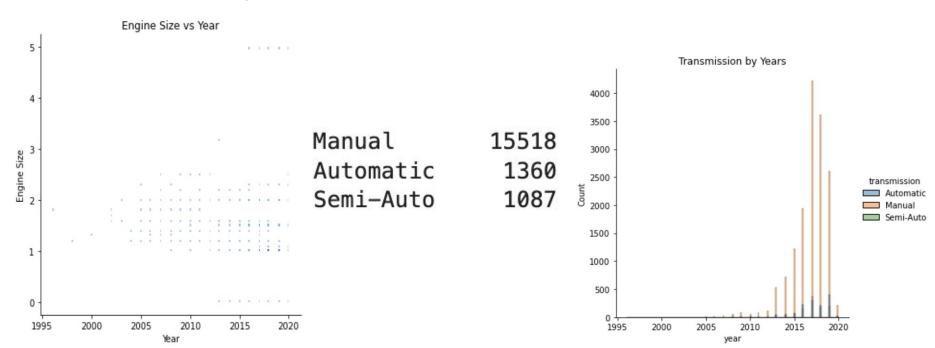
Bowen - Conclusion



Takao - Question

How does Ford Motors adapt to contemporary technology in terms of engine size and transmission?

Takao - Analysis



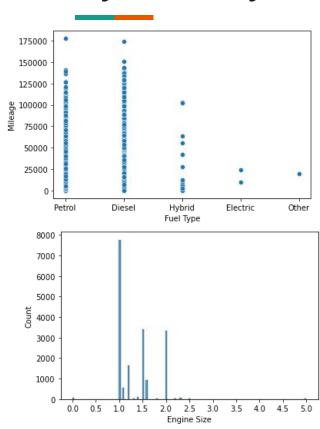
Takao - Conclusions

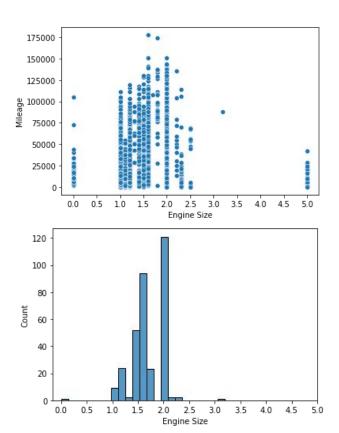
- Ford vehicles tend to utilize and maintain smaller engines compared to other manufacturing companies.
- Ford motors maintains the old-fashioned manual transmission cars.

Aryan - Question

What attributes do the highest-mileage cars have in common? How can we use this to predict the longevity of future cars?

Aryan - Analysis





Aryan - Conclusions

- Diesel engines seem to be able to withstand more miles than other engine types.
- Engines between 1.6 to 2.0 liters in size last more miles than engines of other sizes.

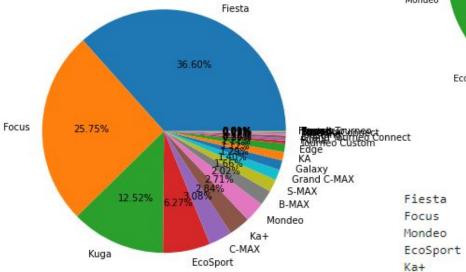
Harry - Question

Among the new and used cars that were sold, what attributes did they have in common? Are there any specific attributes that were more common in new or used cars?

Used Car Models

Model

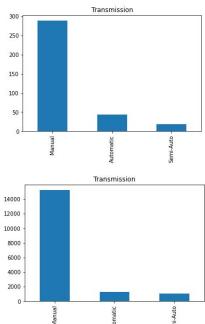
New Car Models

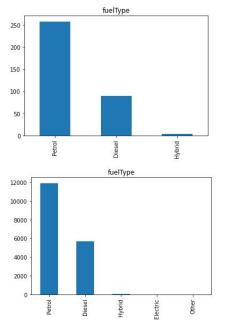


	Focus 15.10%	Fiesta 31.05%	
Mondeo	11.11%	2,56% 3,42% 5,13% 5,70%	Mustang Edge
	Puma EcoSport Kuga		
		Ka+	

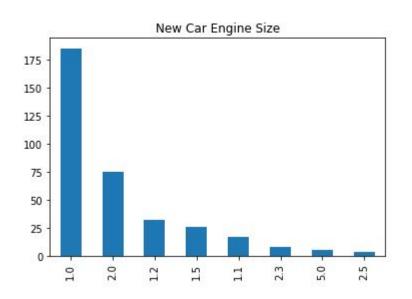
6447
4535
2205
1104
542

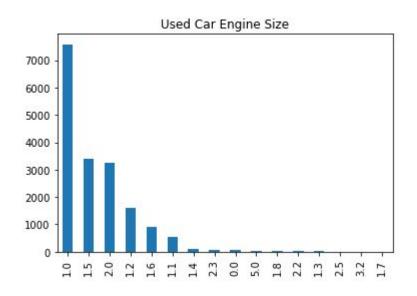
Transmissions and Fuel Type



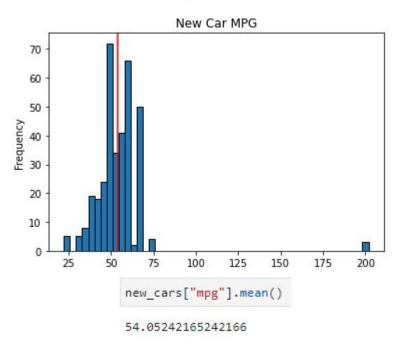


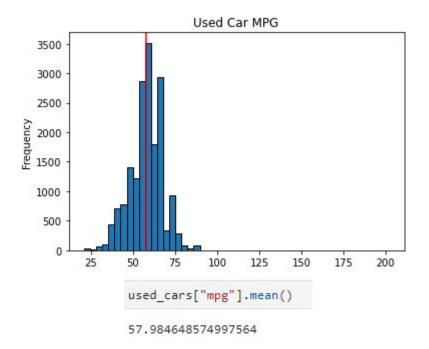
Engine Size





MPG (Miles per Gallon)





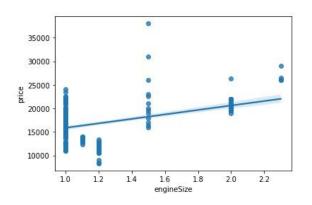
Harry - Conclusion

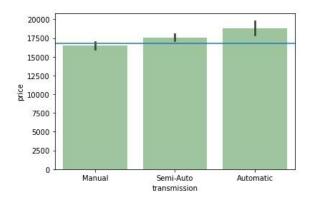
Overall, the vehicles sold on both new and used markets are similar. The most popular vehicle in both used and new market is a car with manual transmission that ran on petrol, with an engine size of 1, with mpg around 56 mpg.

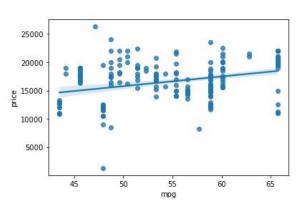
Daniel - Question

Are Ford cars increasing in price over time? And if so, why?

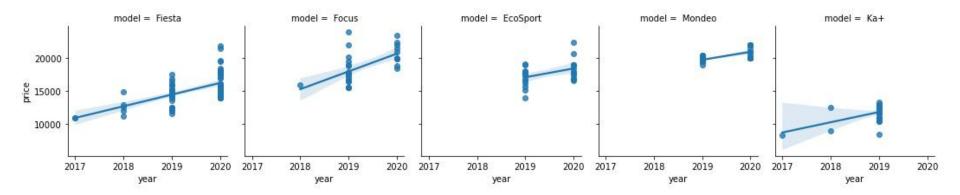
Daniel - Analysis







Daniel - Analysis Continued



Daniel - Conclusion

- The price of Ford cars seem to be increasing as the years progress.
- This result was discovered even after eliminating models with attributes that significantly change price.
- We can look into external/internal factors that can answer this trend.