

CARS24 DATA ANALYSIS

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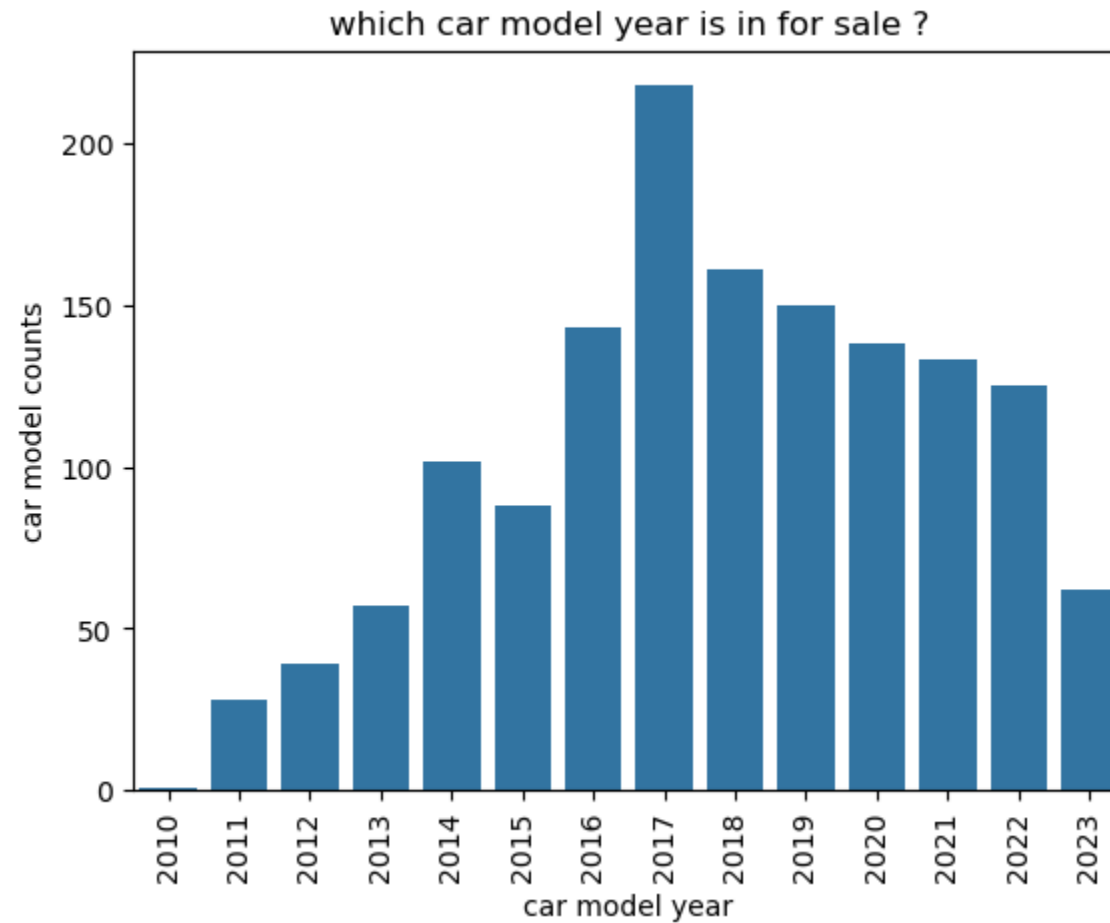
AGENDA

Uni-Variate-Anlaysis

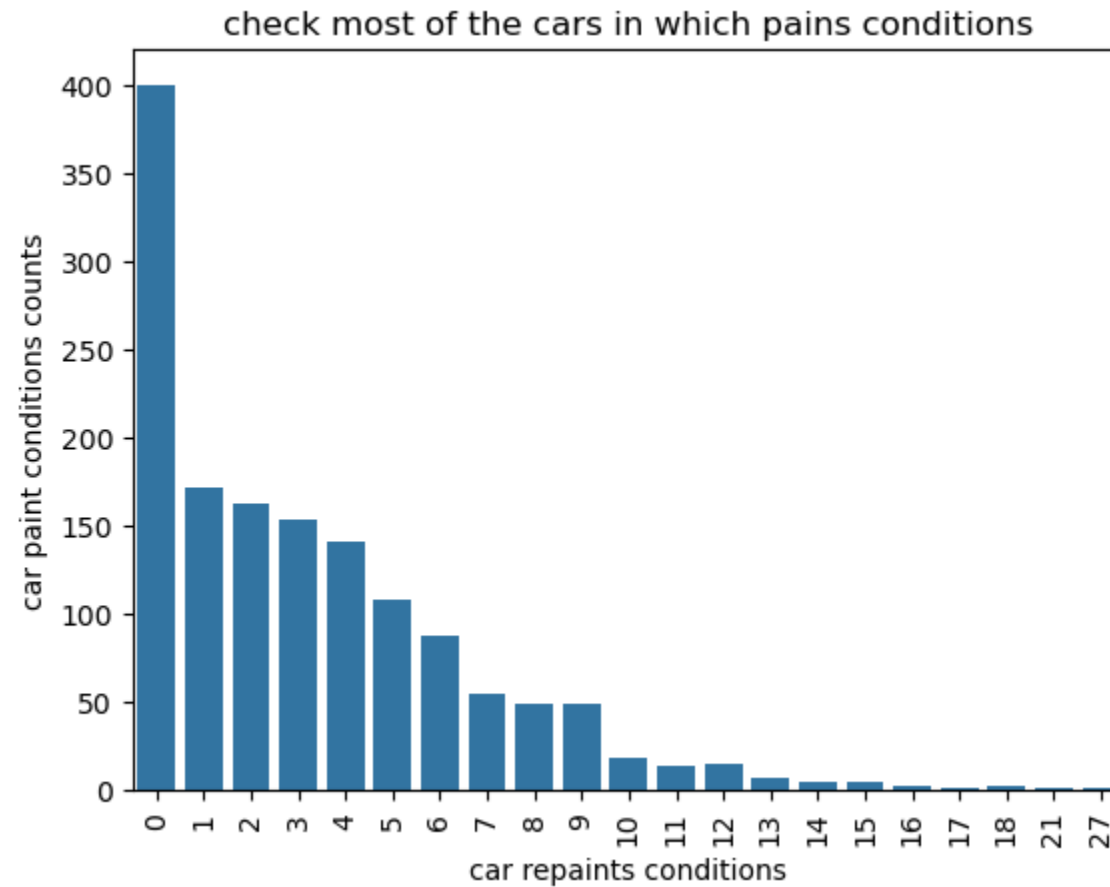
Bi-Variate-Anlaysis

Multi-Variate-Anlaysis

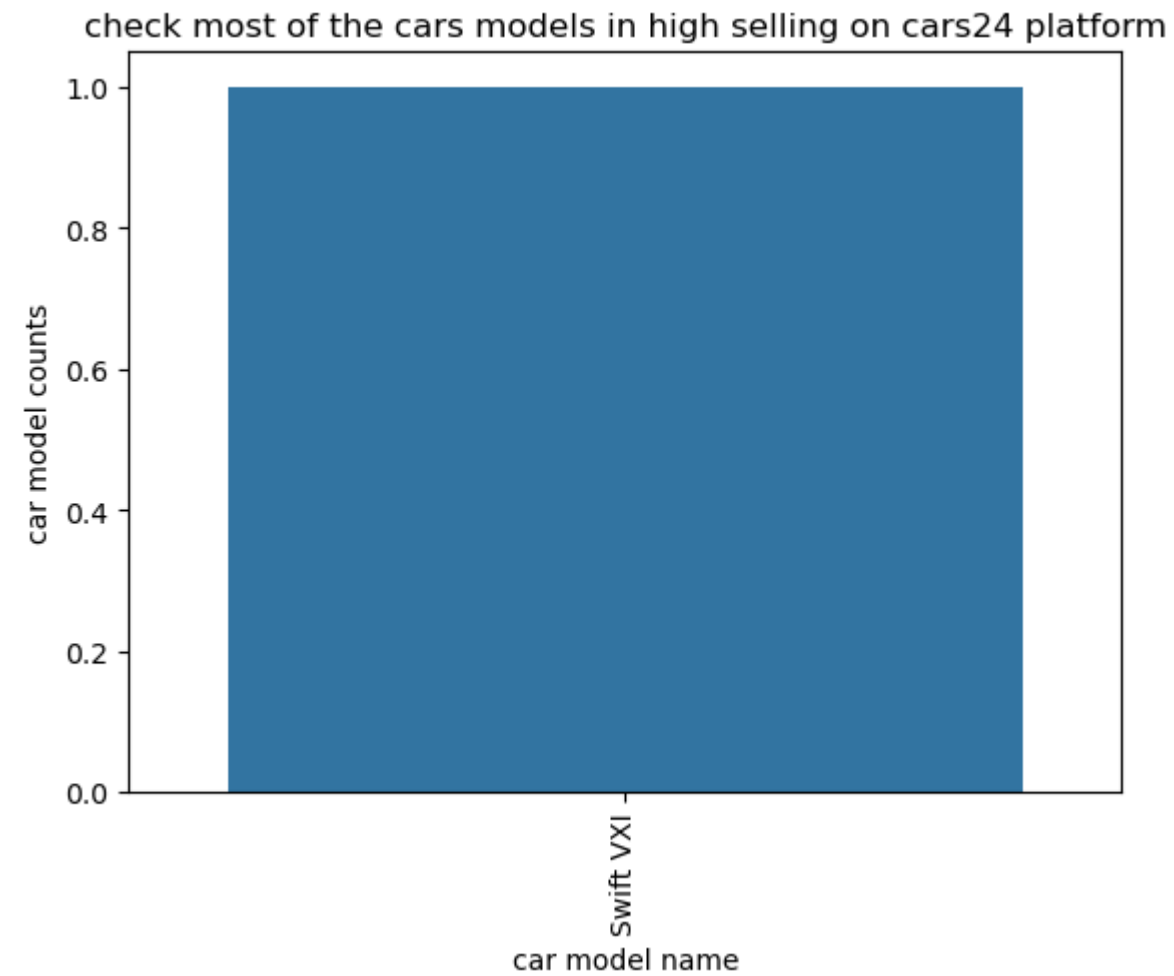
Recommendations



You can see in the above chart 2017 year car models are very large amounts for sales in cars24 platform.

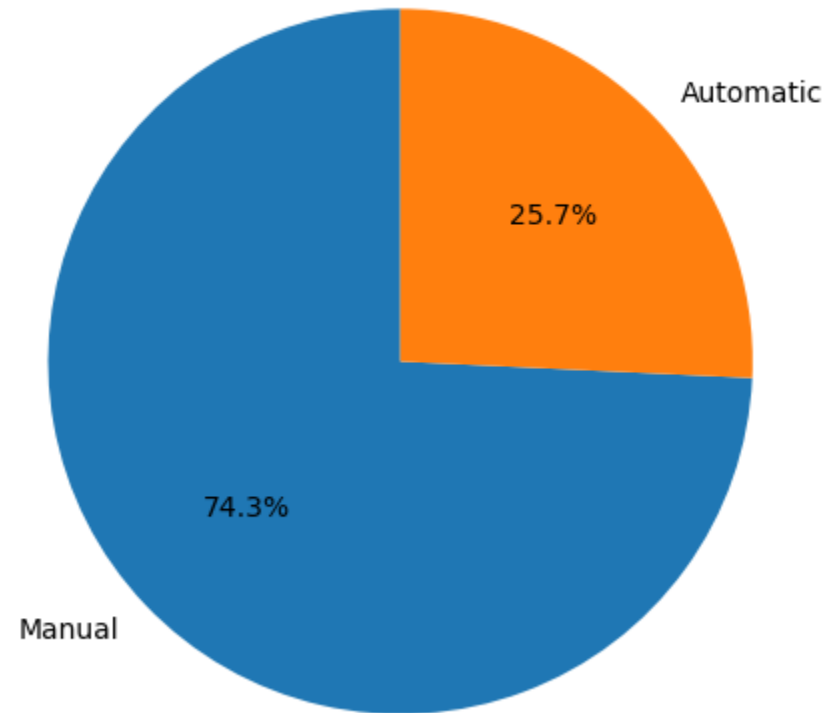


In above charts you can see the most of the used cars has low repainted parts conditions means most of the cars which is selling on cars24 platform has below 5 painted parts.

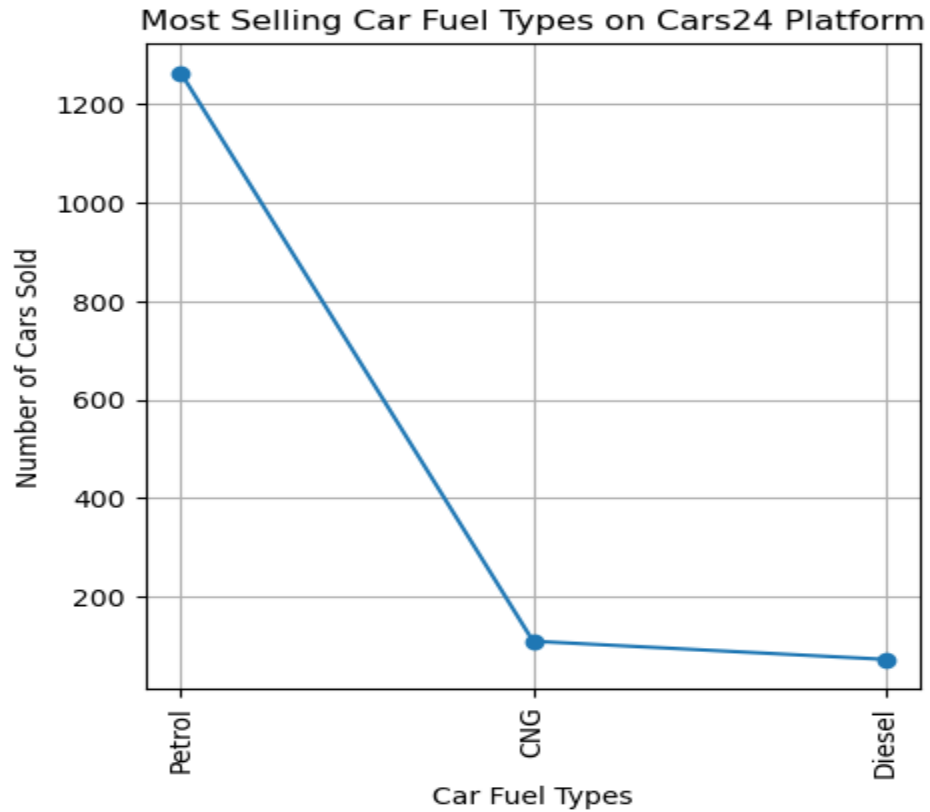


In above chart you can see the Swift VXI car model is highest selling on cars24 platform. [1](#)

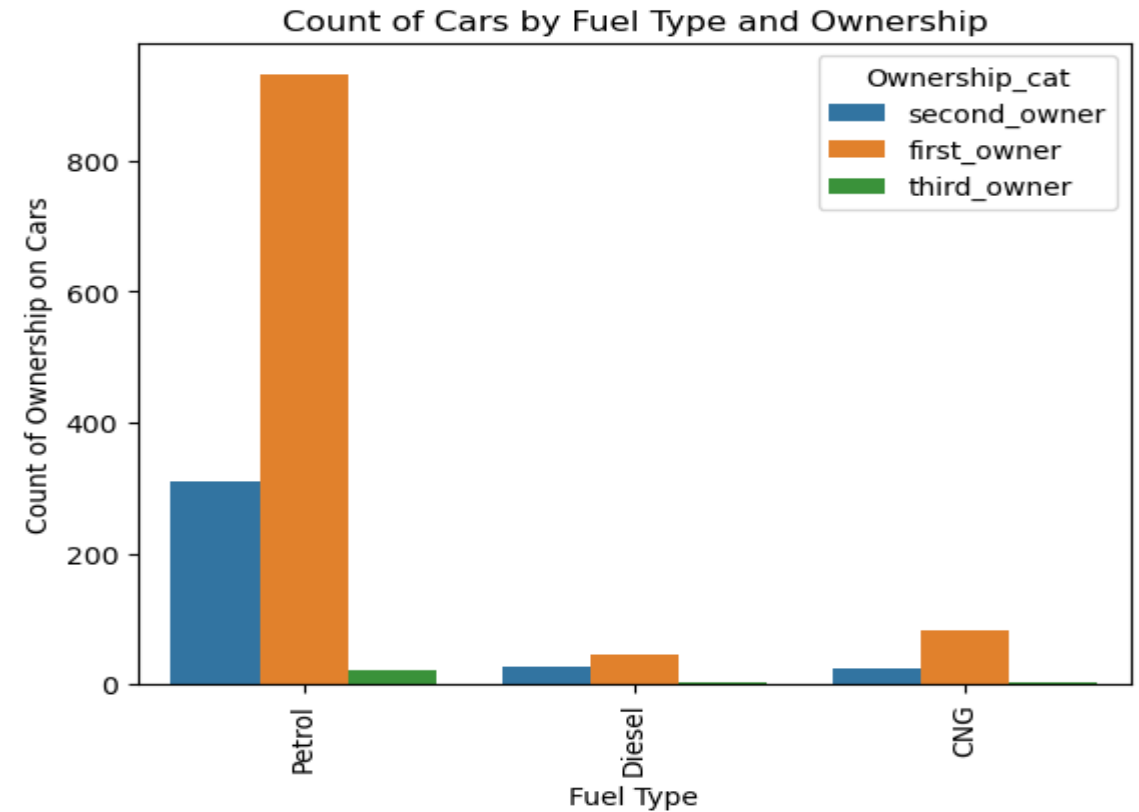
Most Common Car Transmission Types on Cars24 Platform



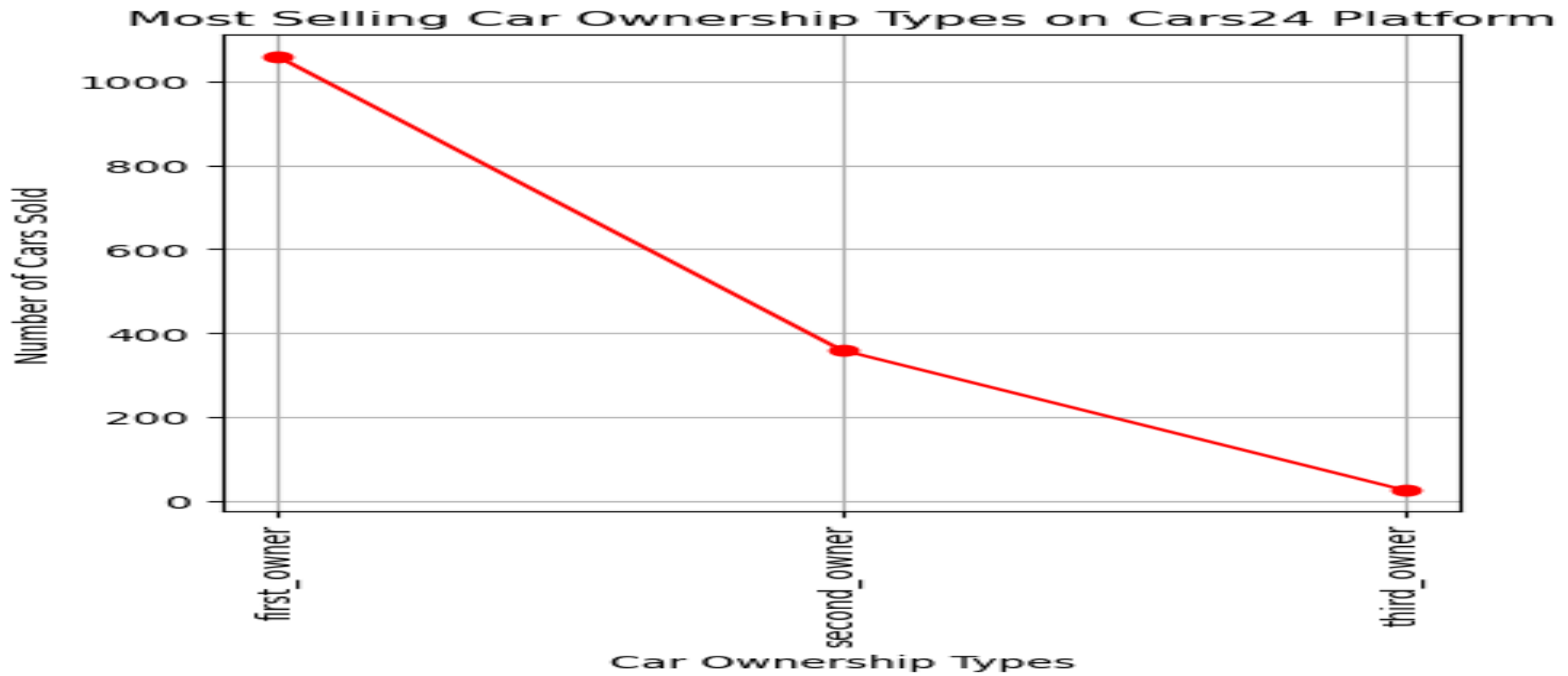
Manual Transmission type cars is very high for selling on cars24 platform.



In above chart as you can see most of the petrol driven cars are high for selling on cars24 platform.

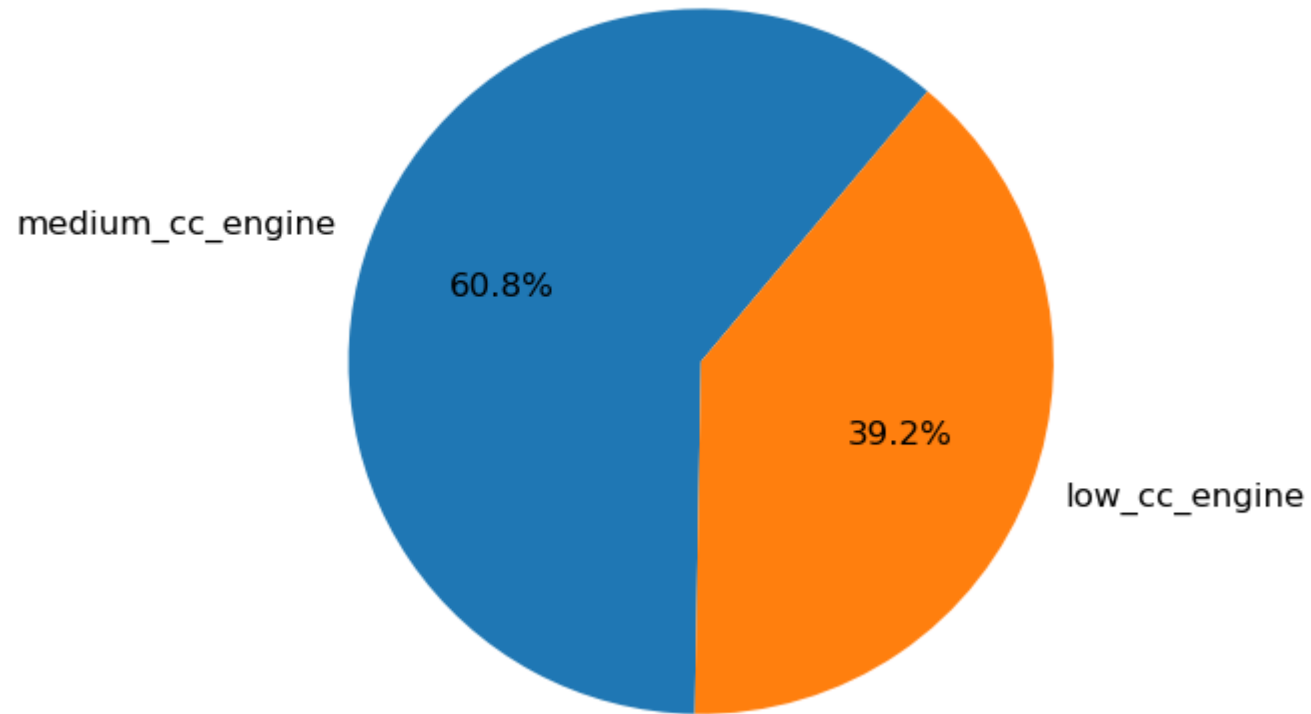


Most of the Petrol Driven Cars is Most for selling and interesting thing is first owner driven cars is high for on sale on cars24 platform.[1](#)

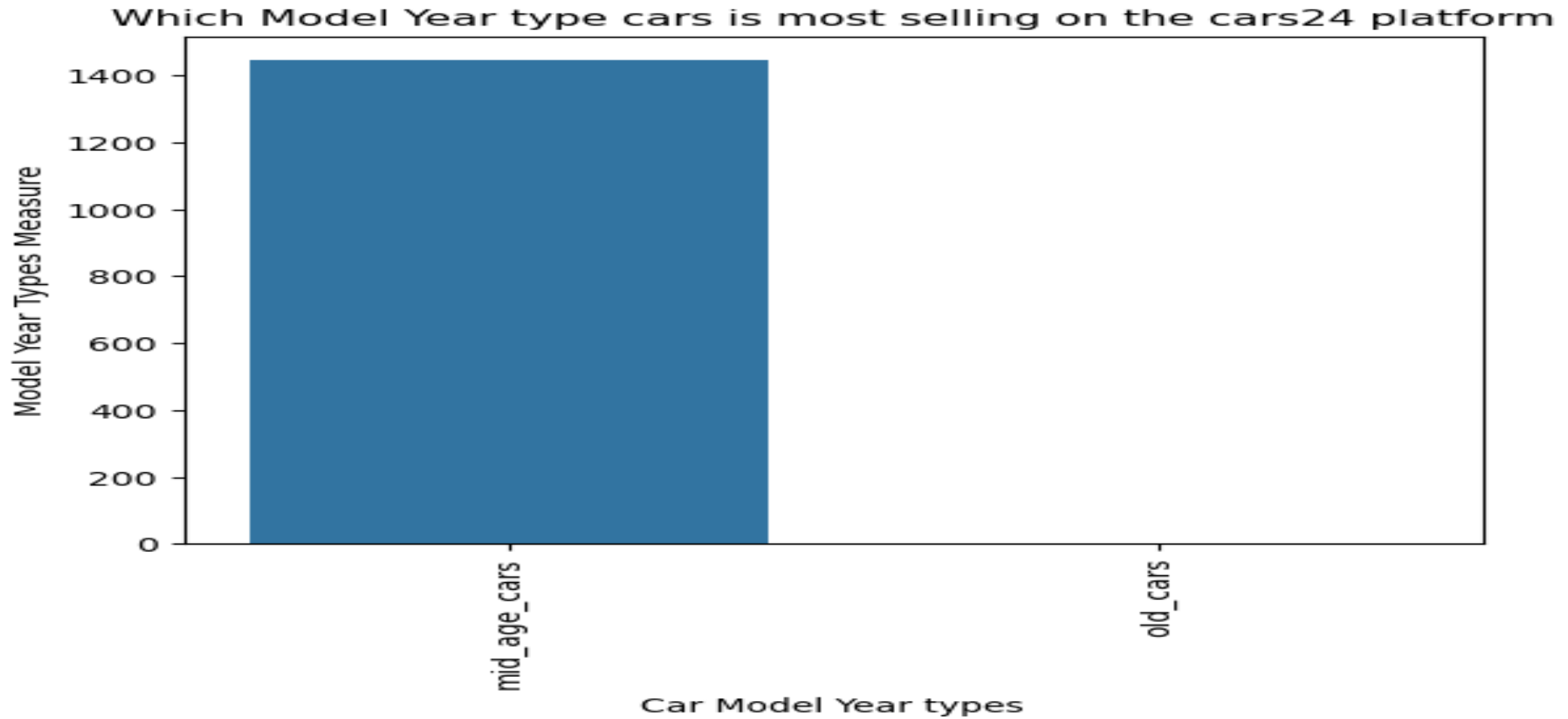


As you can see in above chart first_owner cars are majority for selling on the cars24 platform

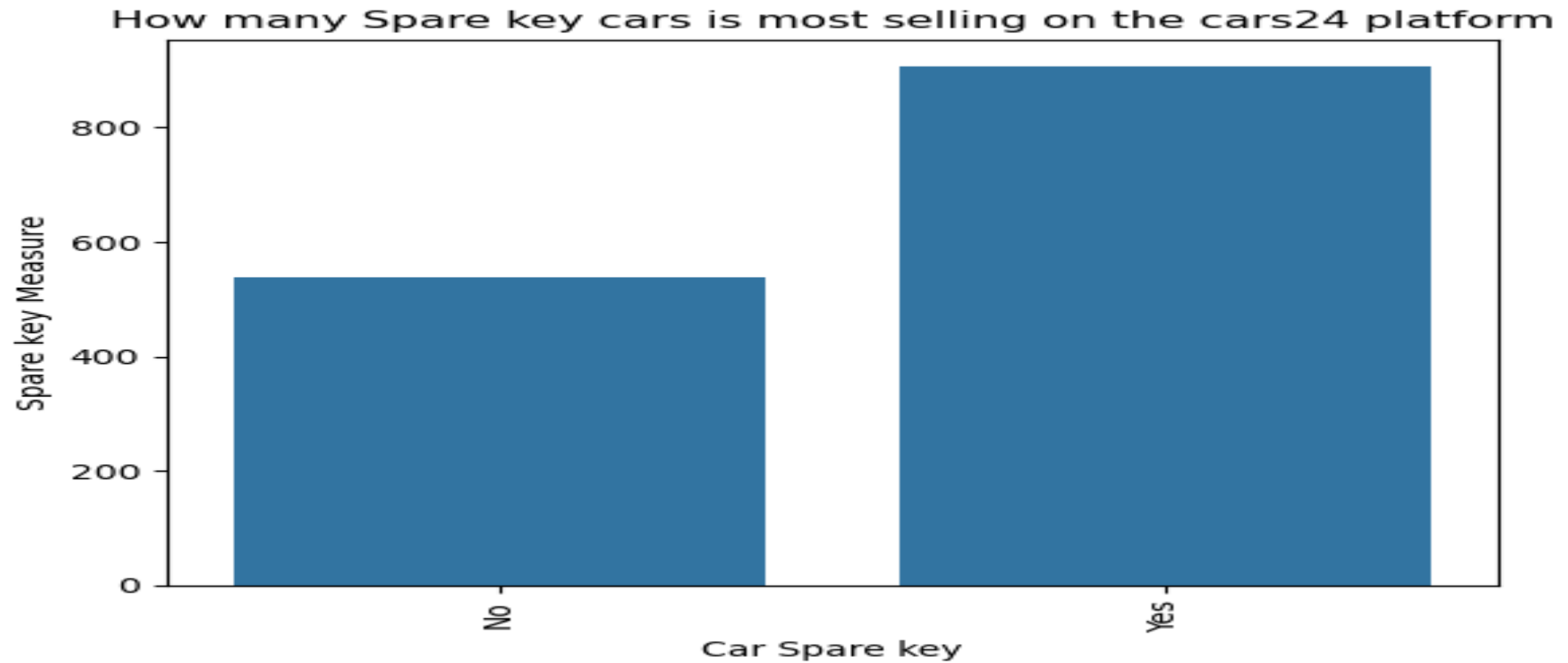
Most Selling Engine Capacity Types on Cars24 Platform



As you can see the medium_cc_engine is most of the selling on the cars24 platform.

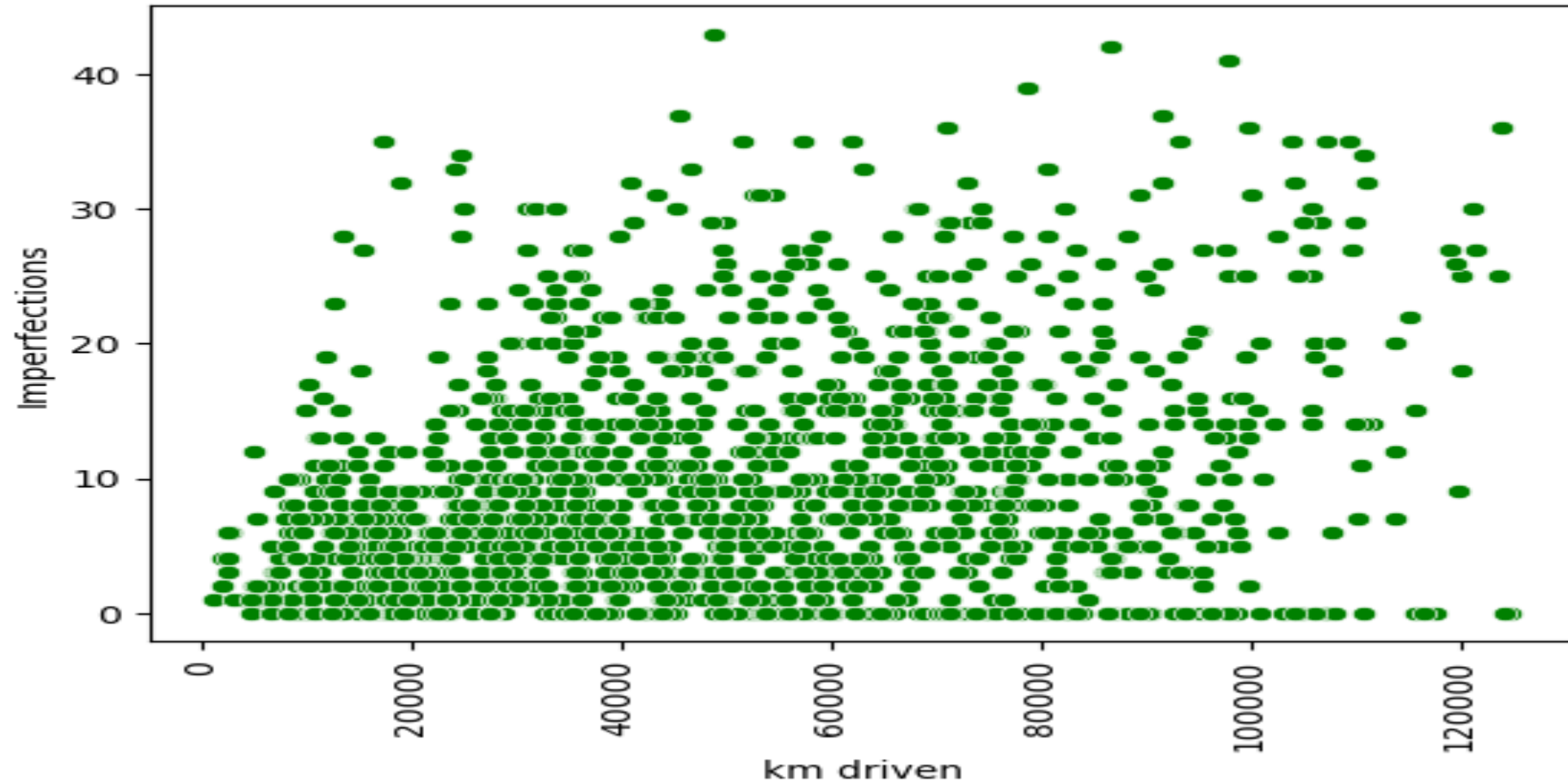


In above chart you can see the mid_age cars are highest for selling on cars24 platform.



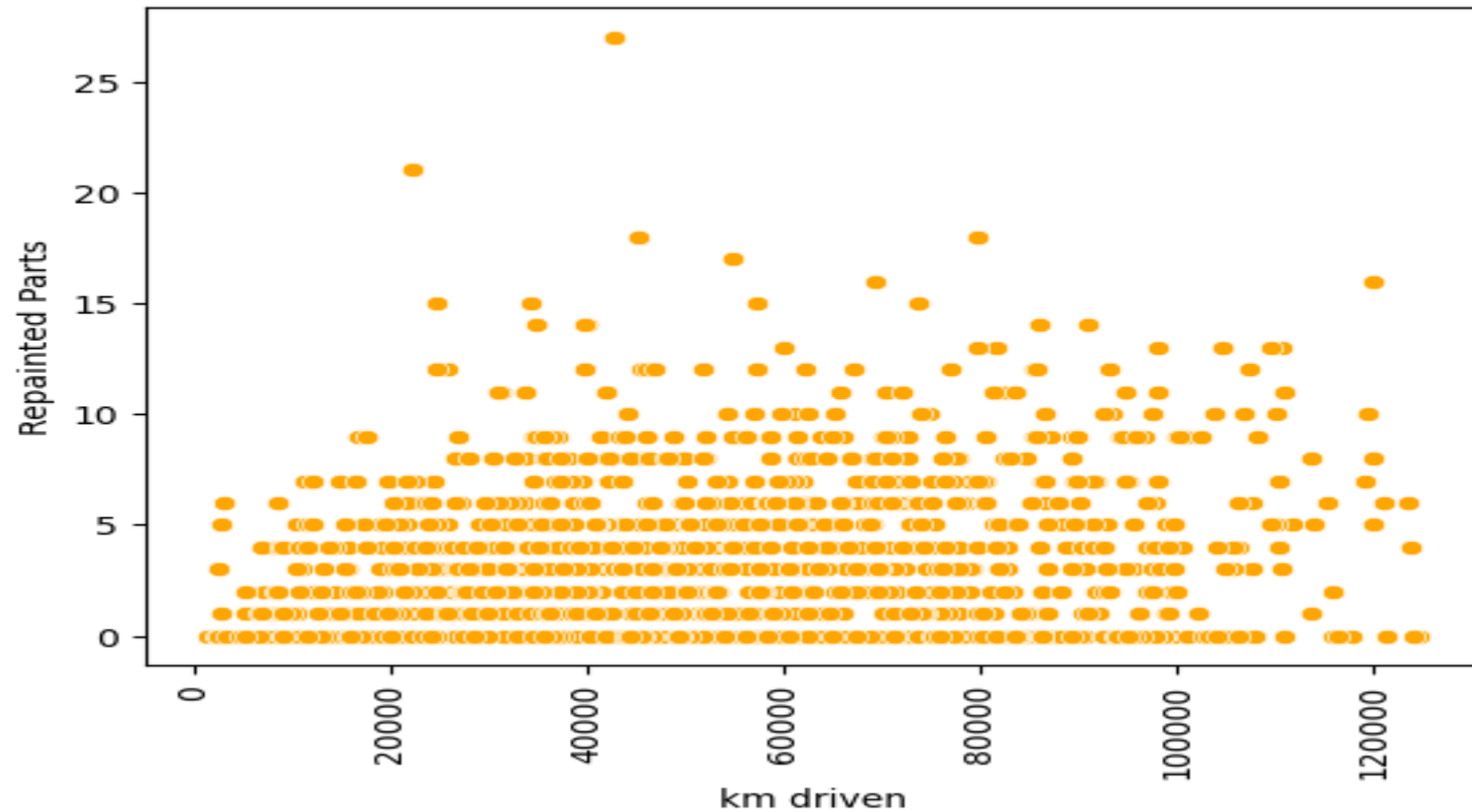
As you can see in the above chart most of the cars has spare keys which is benifit for buyer to buy a car from cars24 platform.

the cars km is high then Imperfections is high on the cars24 platform ?

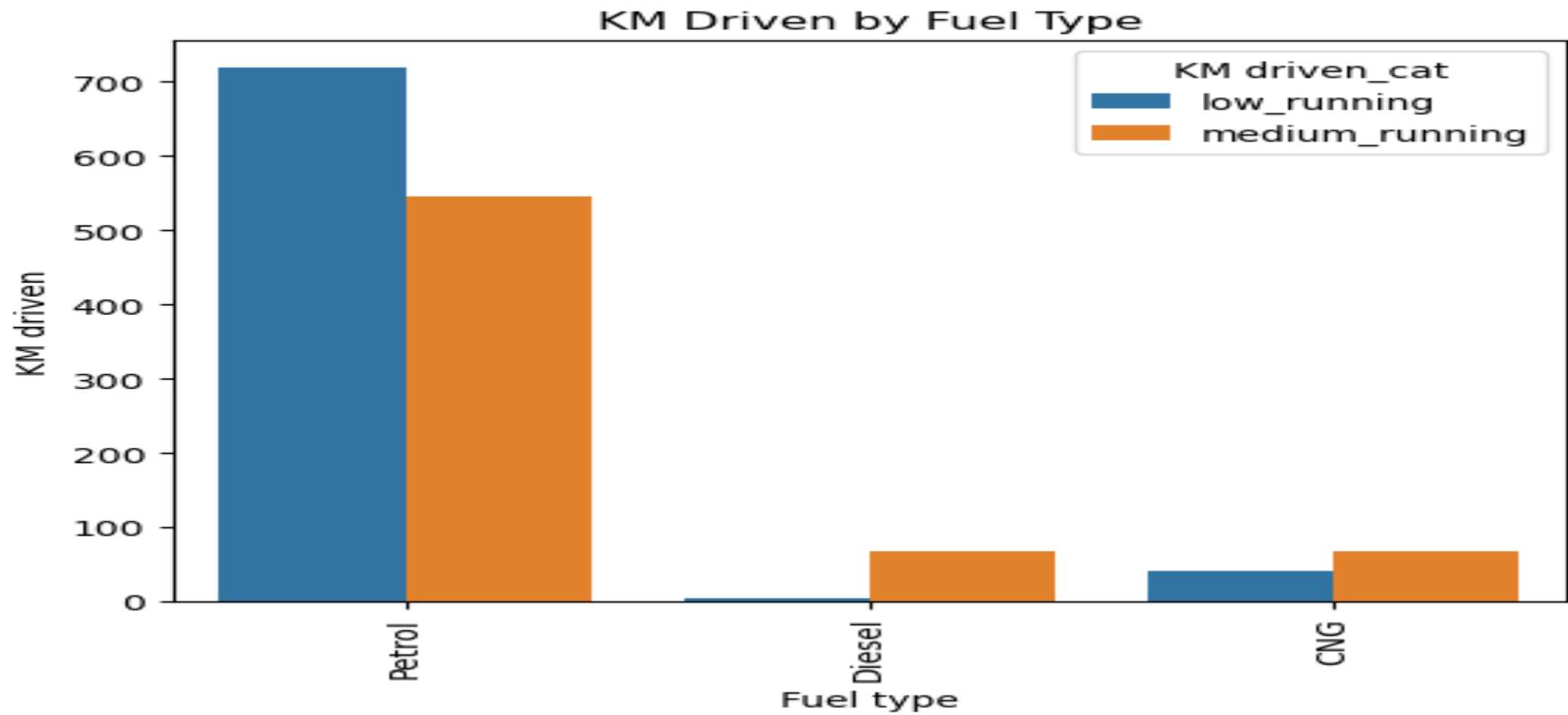


As we see in above scatterplot the car km driven is high then imperfections is high.

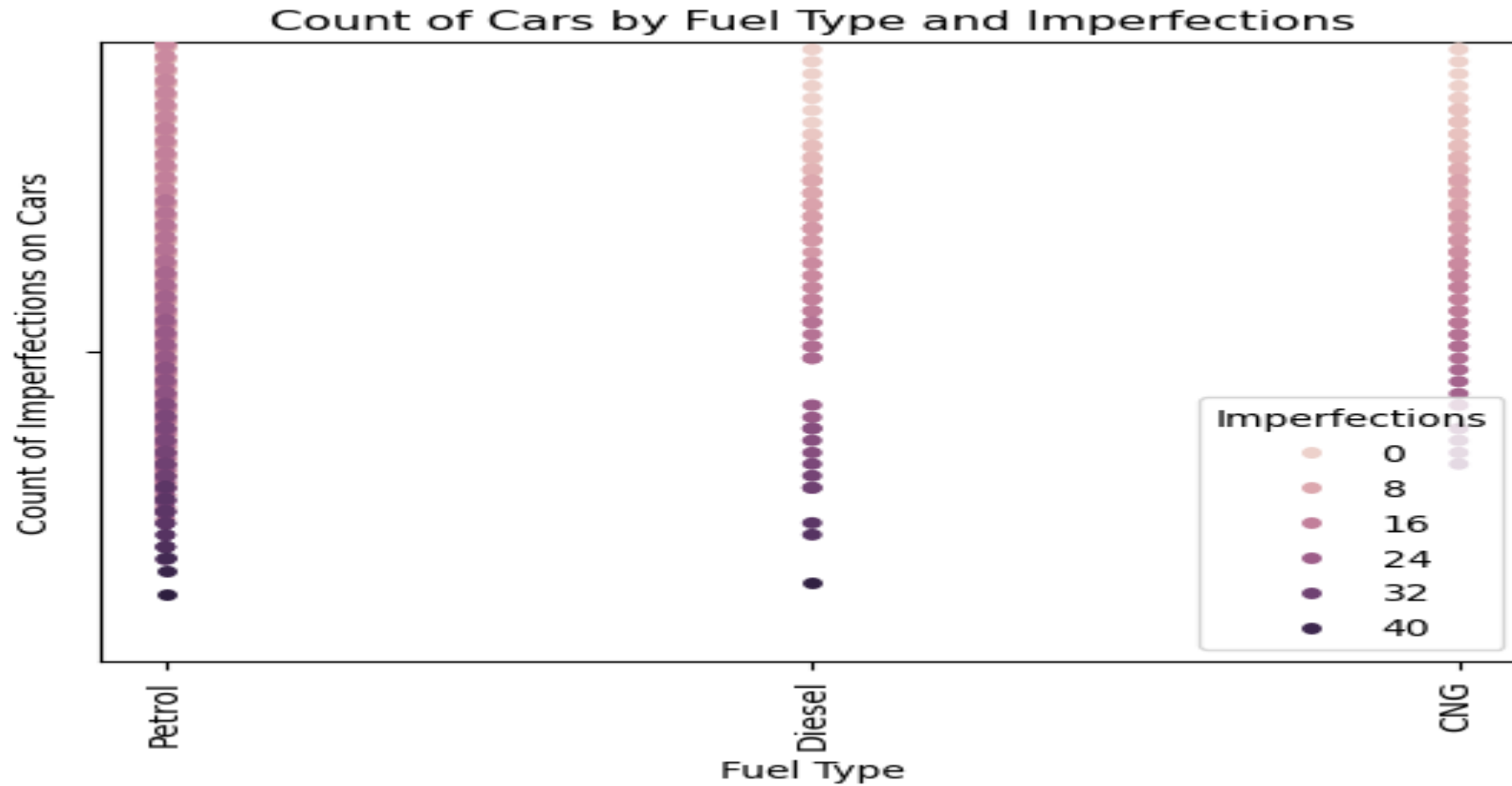
the cars km is high then Repainted Parts is high on the cars24 platform ?



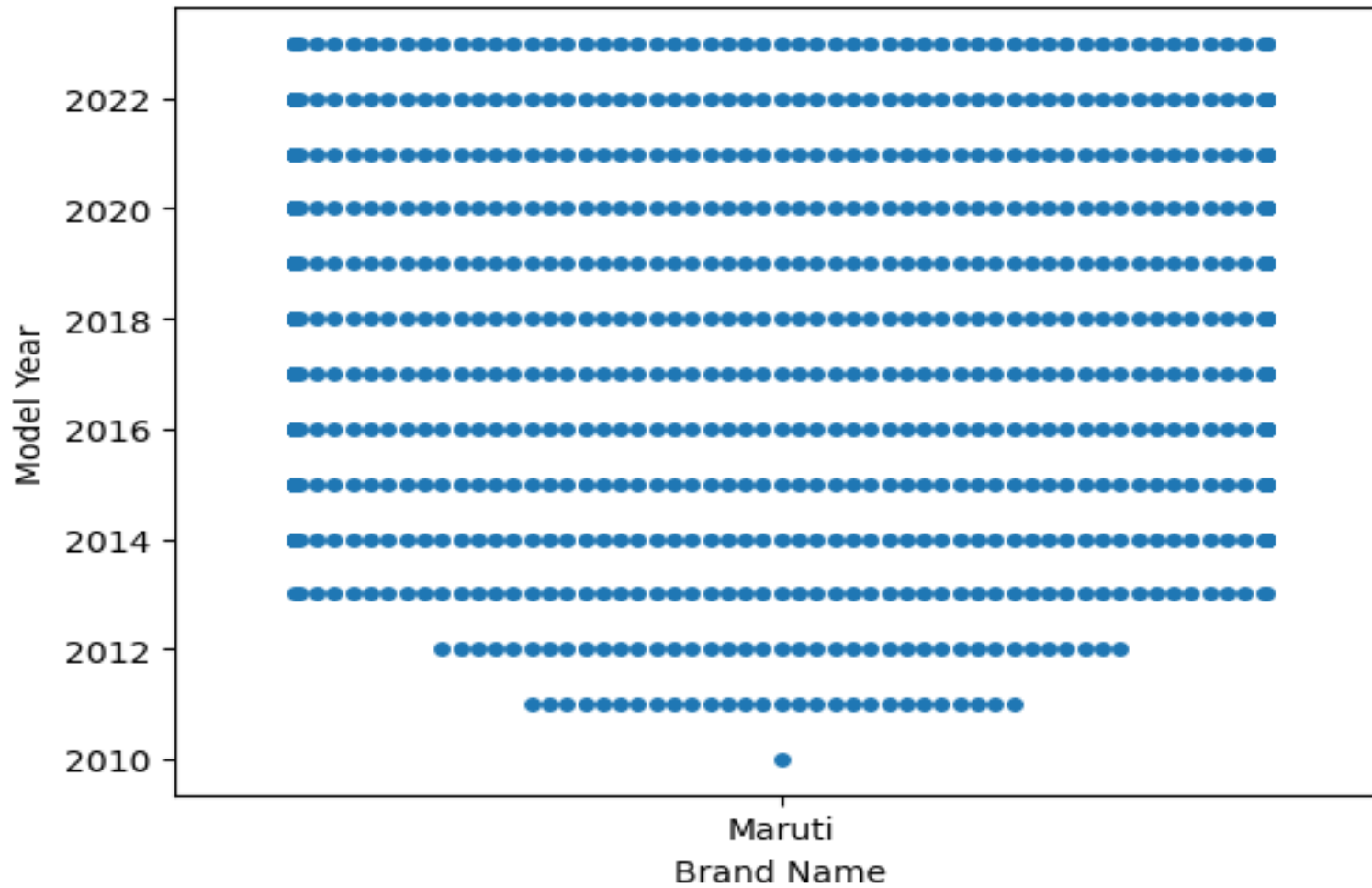
As we can see in the above chart the car km driven is high then the car repainted parts is not much high on cars24 platform.



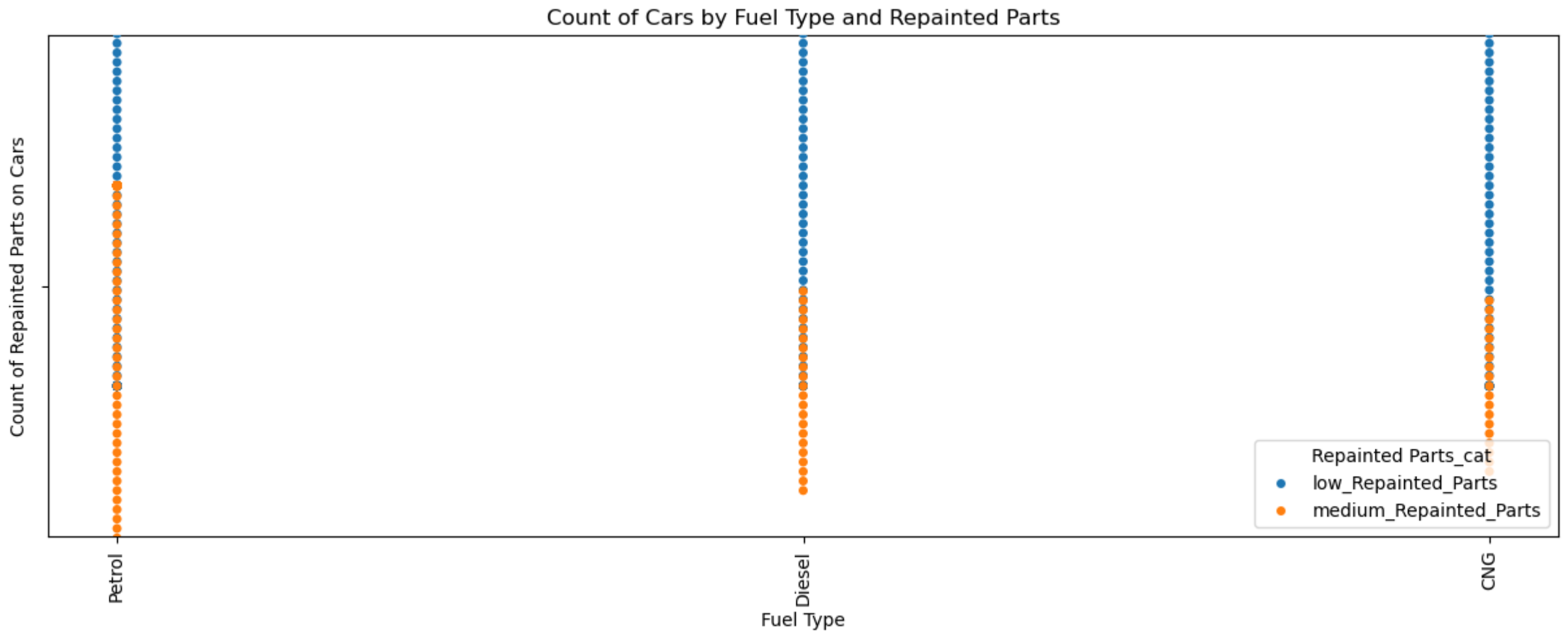
As you can see most of the petrol driven cars is low running and diesel and cng cars are medium running.



In the above chart as you can see the Imperfections is high in the petrol driven cars as compare to the other fuel type cars.

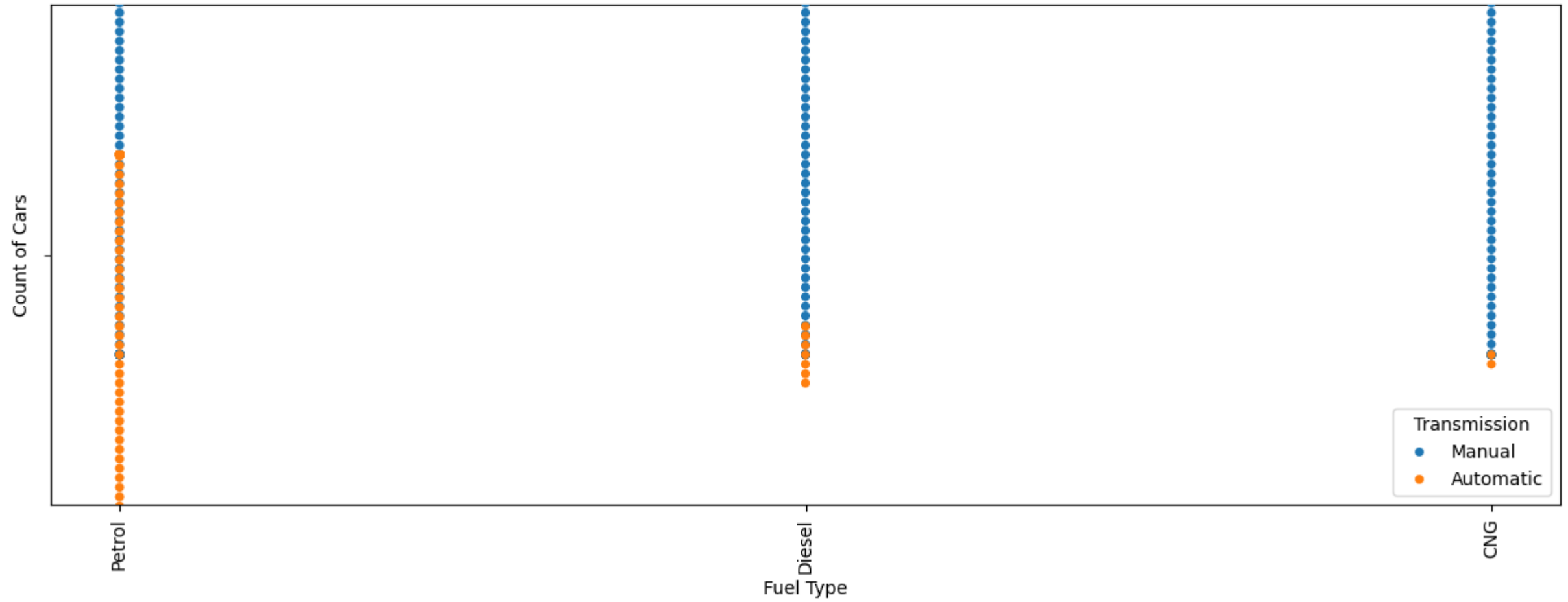


As you can see in the above chart the 2012 above Maruti Brand Cars is highest for on sallings on cars24 platform.



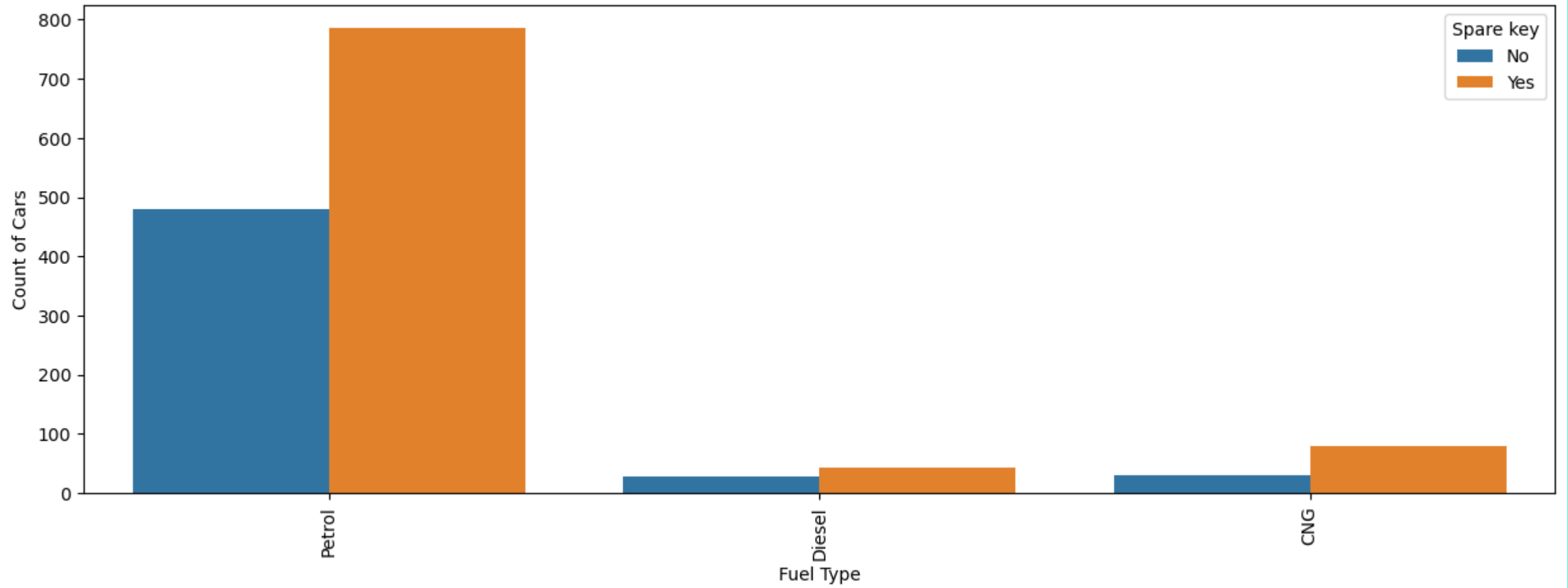
As you can see the Petrol driven cars has the major medium repainted parts as compare to the other fuel type driven cars and important to note that the Diesel & Cng driven cars has the almost similar repainted parts so don't confuse between.

Count of Cars by Fuel Type and Repainted Parts



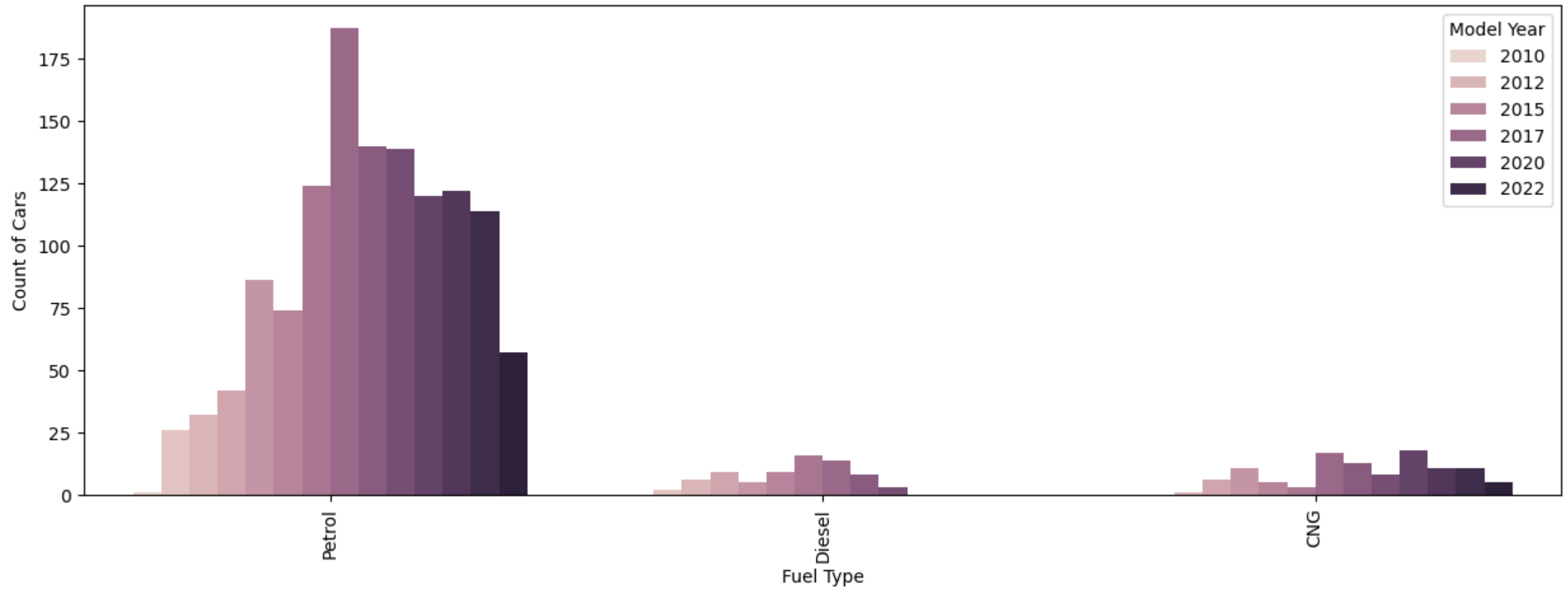
You can see the petrol driven cars is high in the transmission of manual and diesel and cng fuel type cars in the transmission of automatic.[1](#)

Count of Cars by Fuel Type and Spare key



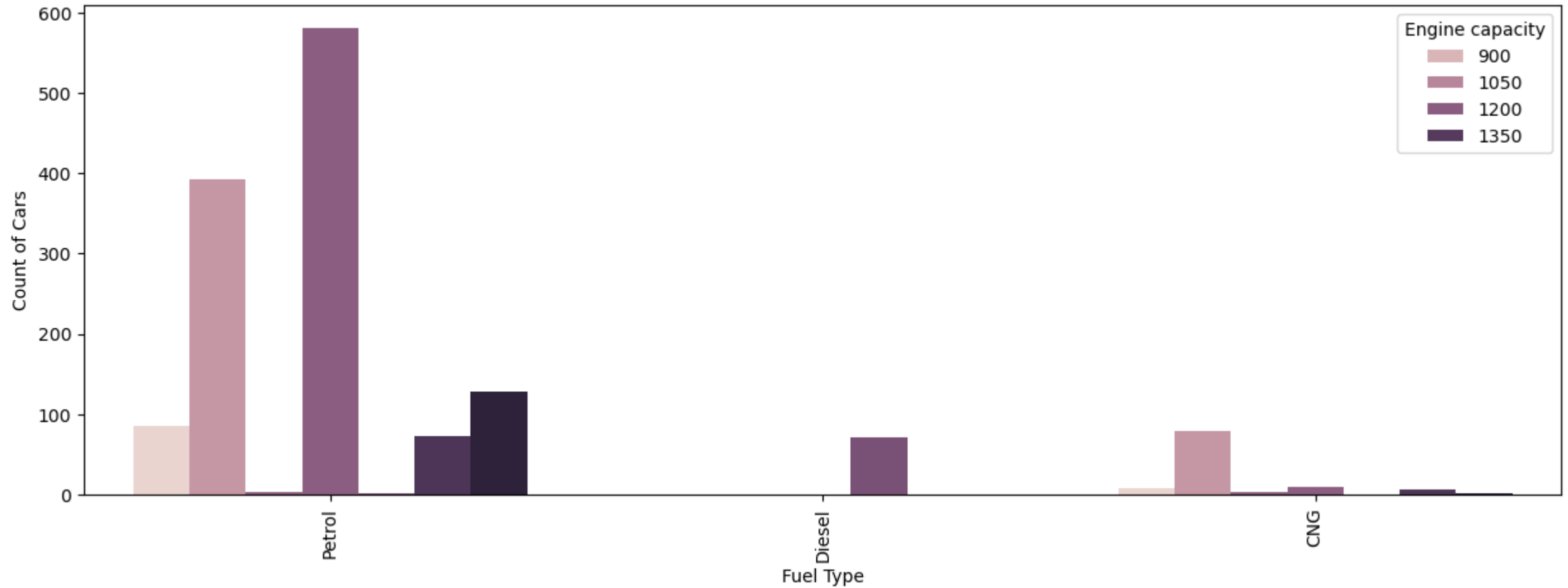
Majority of all the fuel type driven cars has sparekey option is available.

Count of Cars by Fuel Type and Model Year



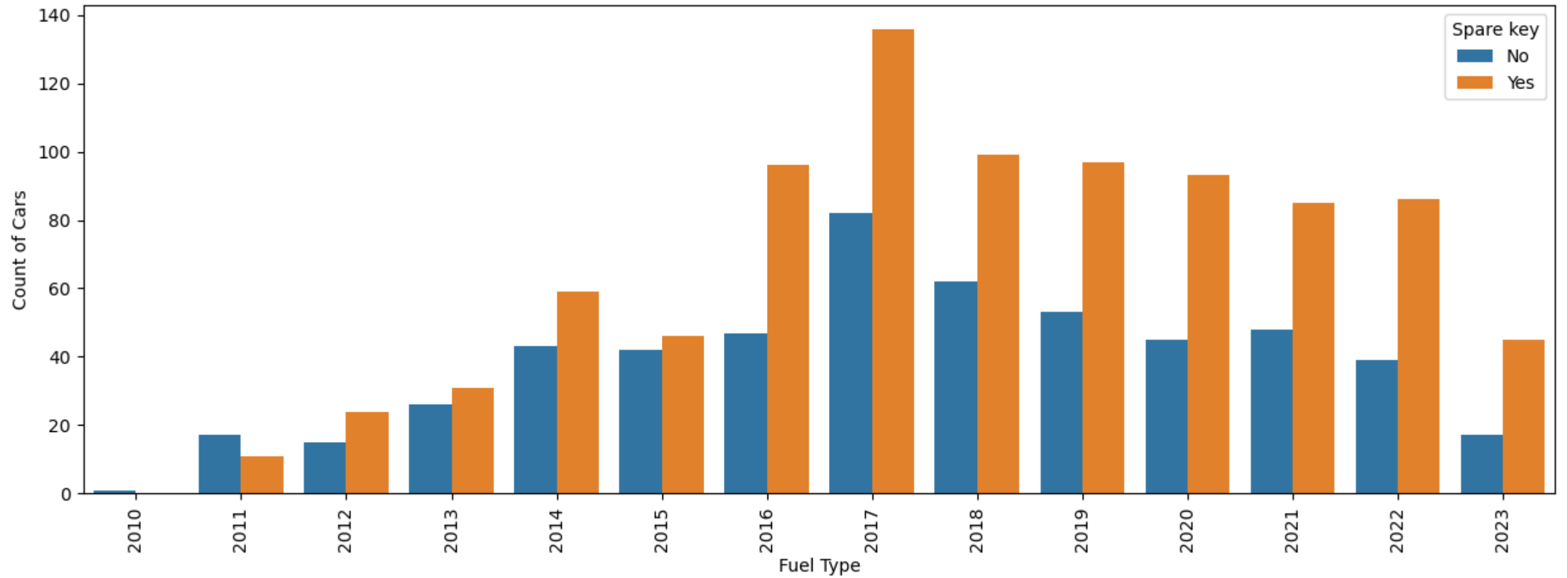
As you can see in the above charts petrol driven cars has the mid age cars old cars is not in the fuel type.

Count of Cars by Fuel Type and Engine capacity

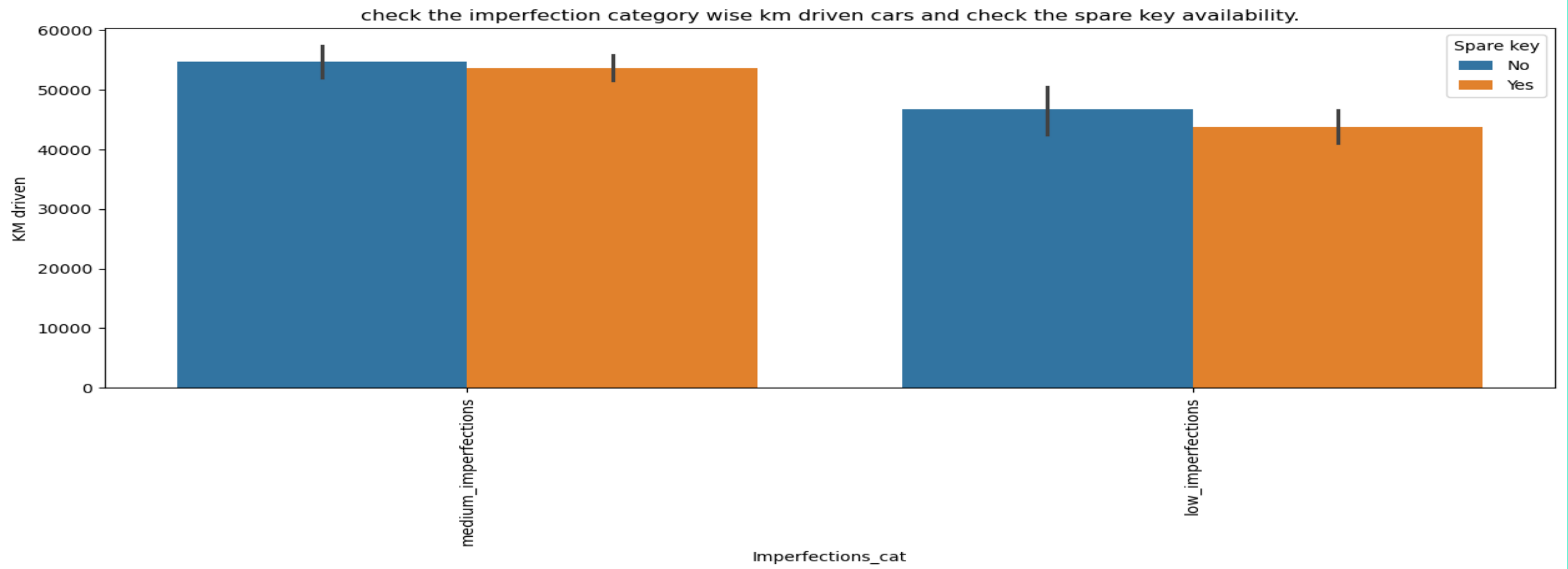


As you can see in the above charts petrol driven cars has medium cc engines and diesel driven cars has only one option is available medium cc and cng cars has the low cc engines.

Count of Cars by Fuel Type and 'Spare key'

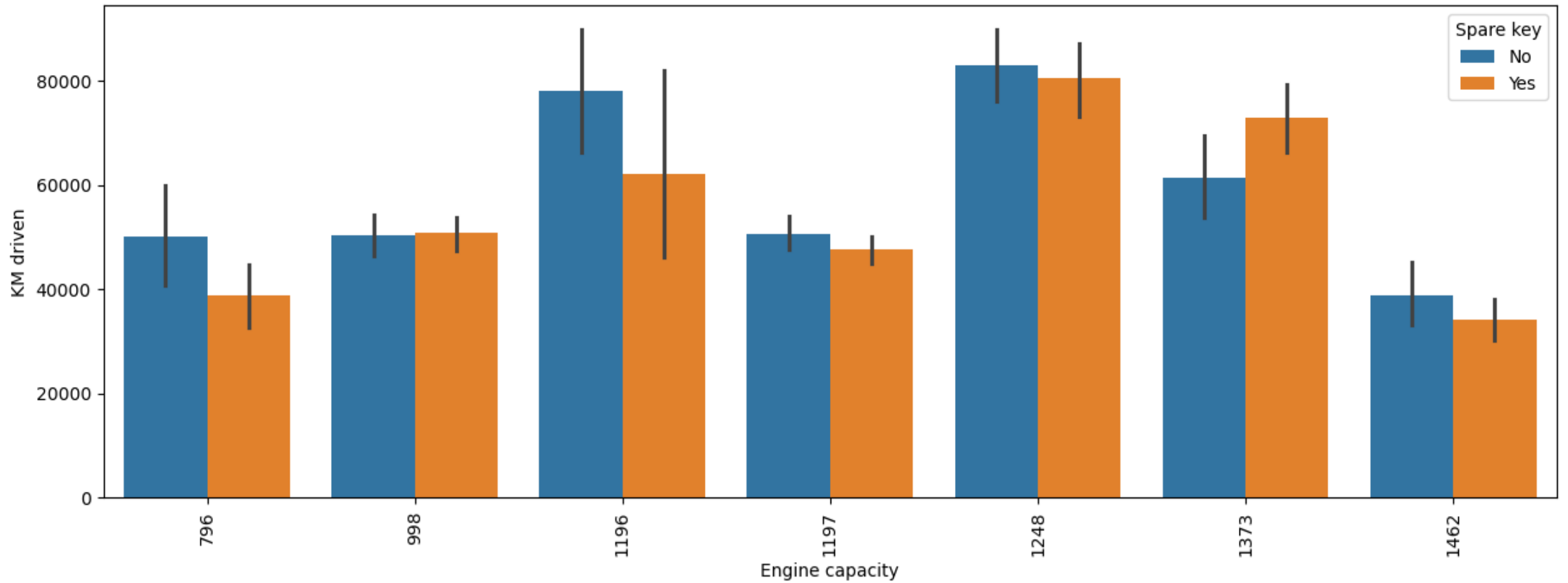


In above chart as you can see the mid age cars has the key is available and old cars has no spare key available so makesure before buy it.



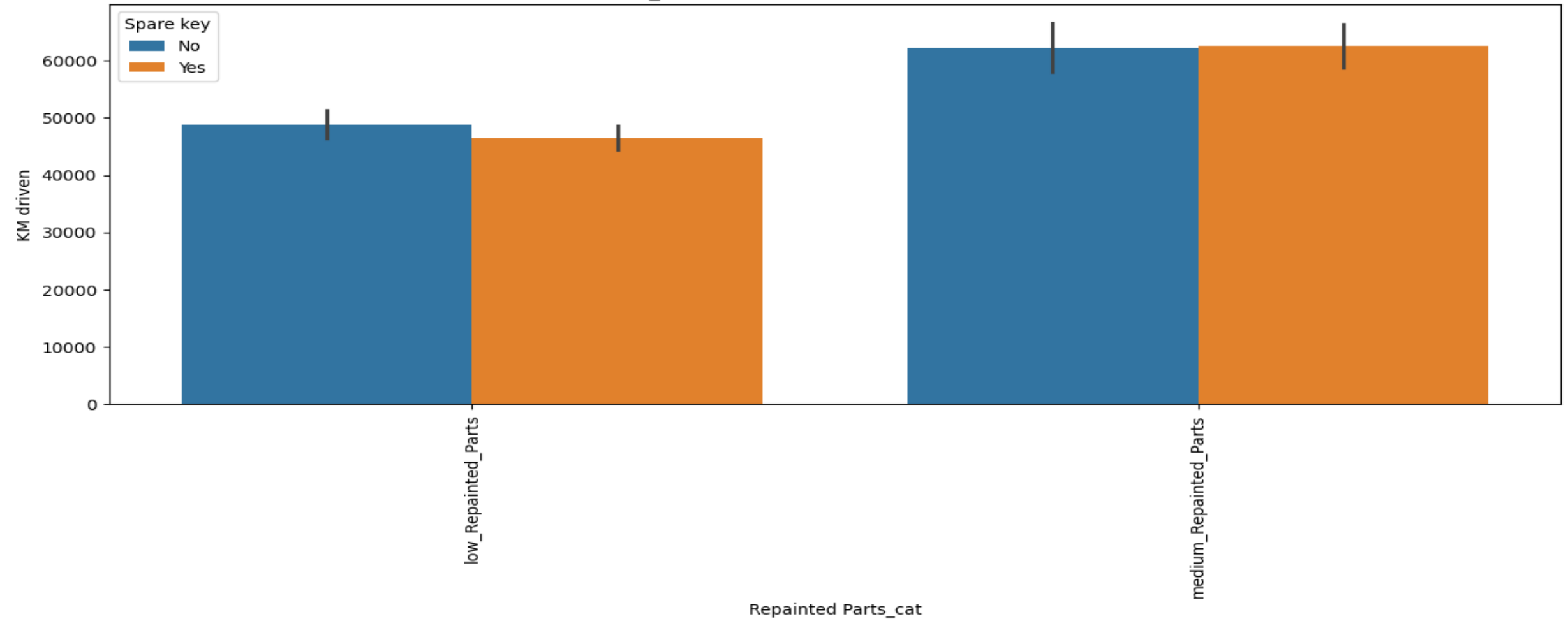
You can see the medium imperfections cars are highest runnings in km and interesting thing is that types of cars has no spare key makesure before buy it.

check the Engine capacity wise km driven cars and check the spare key availability.



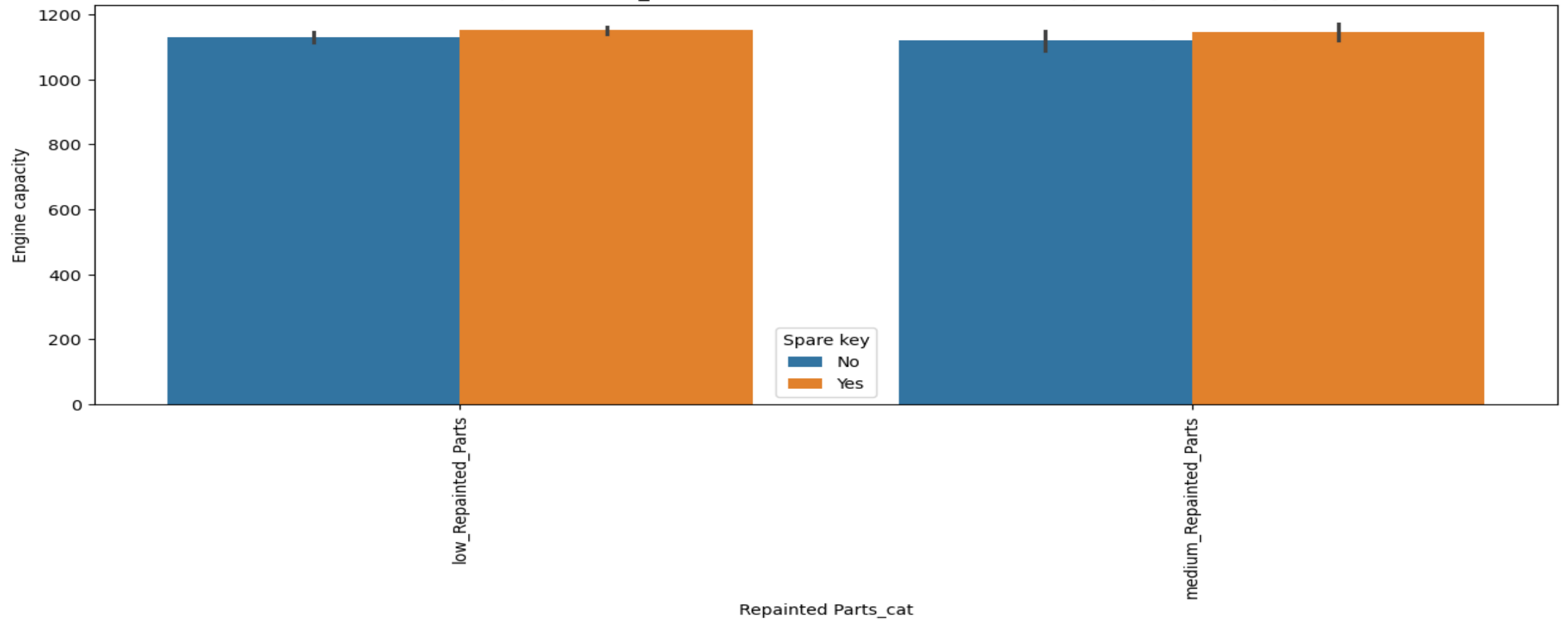
Majority of all the cars has no spare key option available but the interesting thing is 998 & 1373 engine cc cars has spare key options available.

check the Repainted Parts_cat wise km driven cars and check the spare key availability.



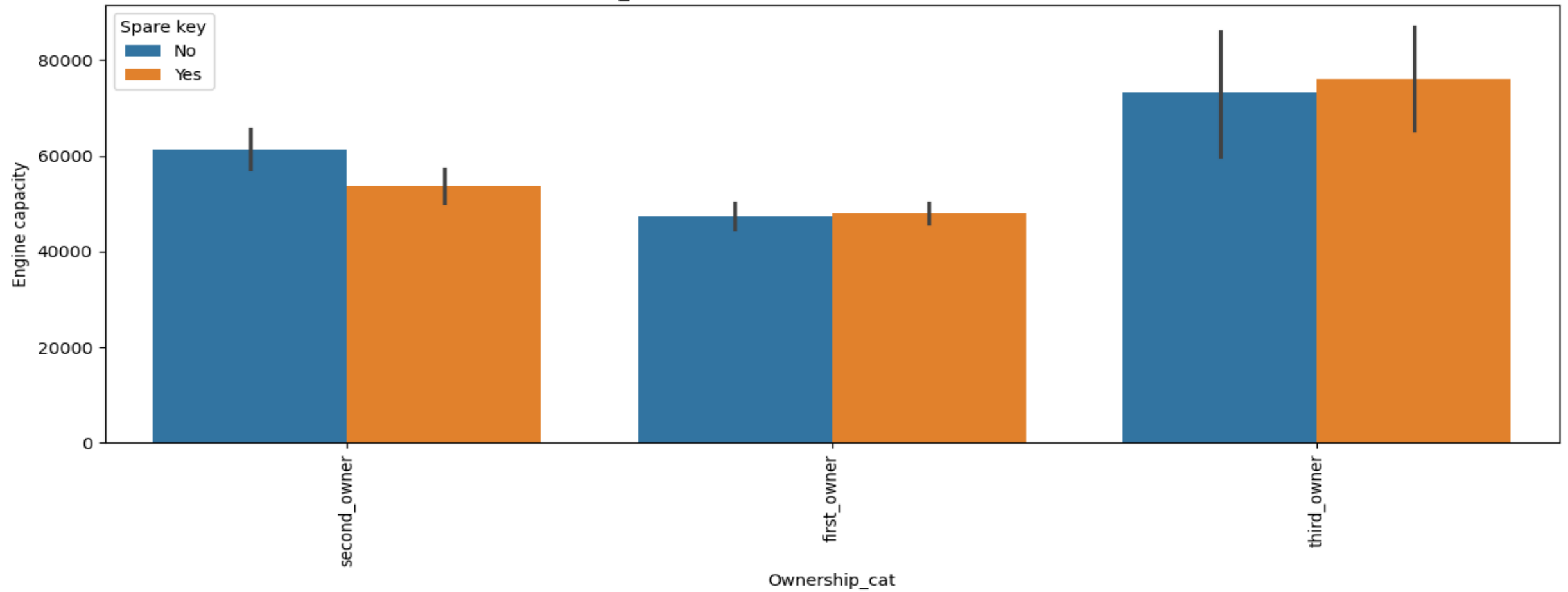
In the above chart the low repainted parts category types of cars has no spare key options available but the interesting thing is medium repainted parts category type of cars has spare key options is available.

check the Repainted Parts_cat wise km driven cars and check the spare key availability.



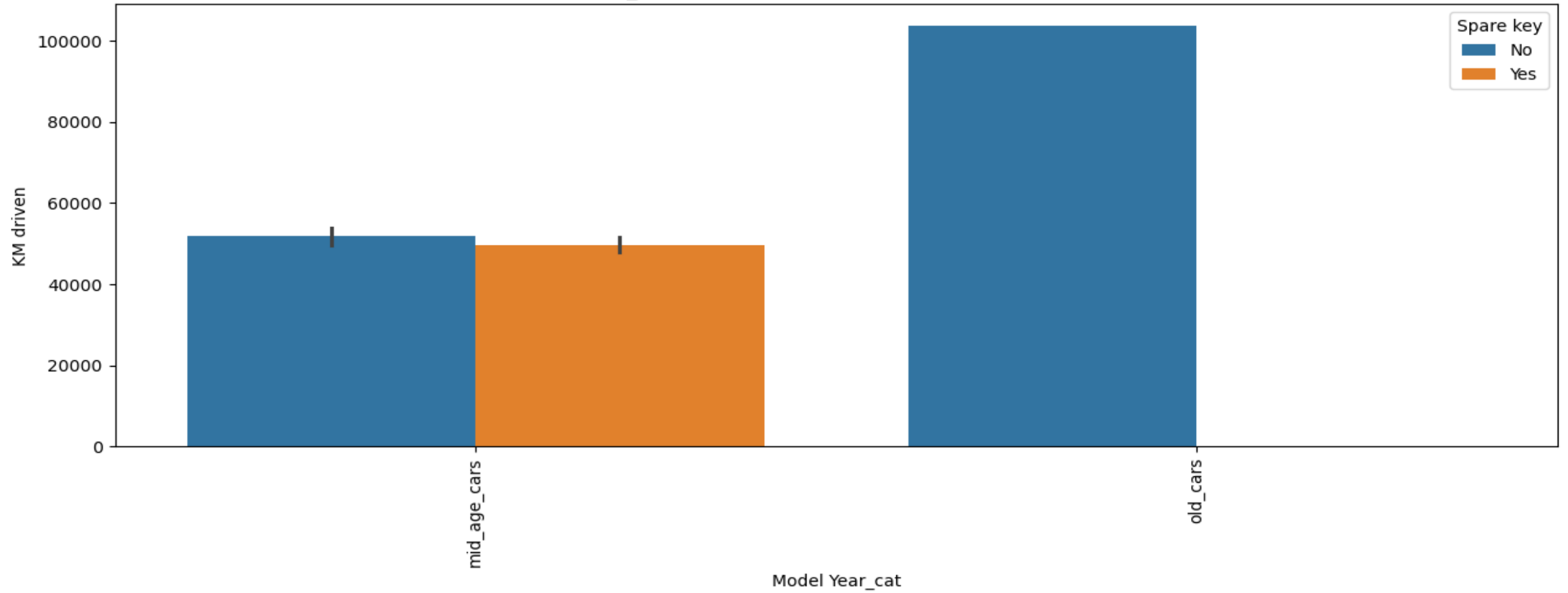
You can see clearly majority of the all the cars below 1200 cc has sparekey options is available.

check the Ownership_cat wise km driven cars and check the spare key availability.

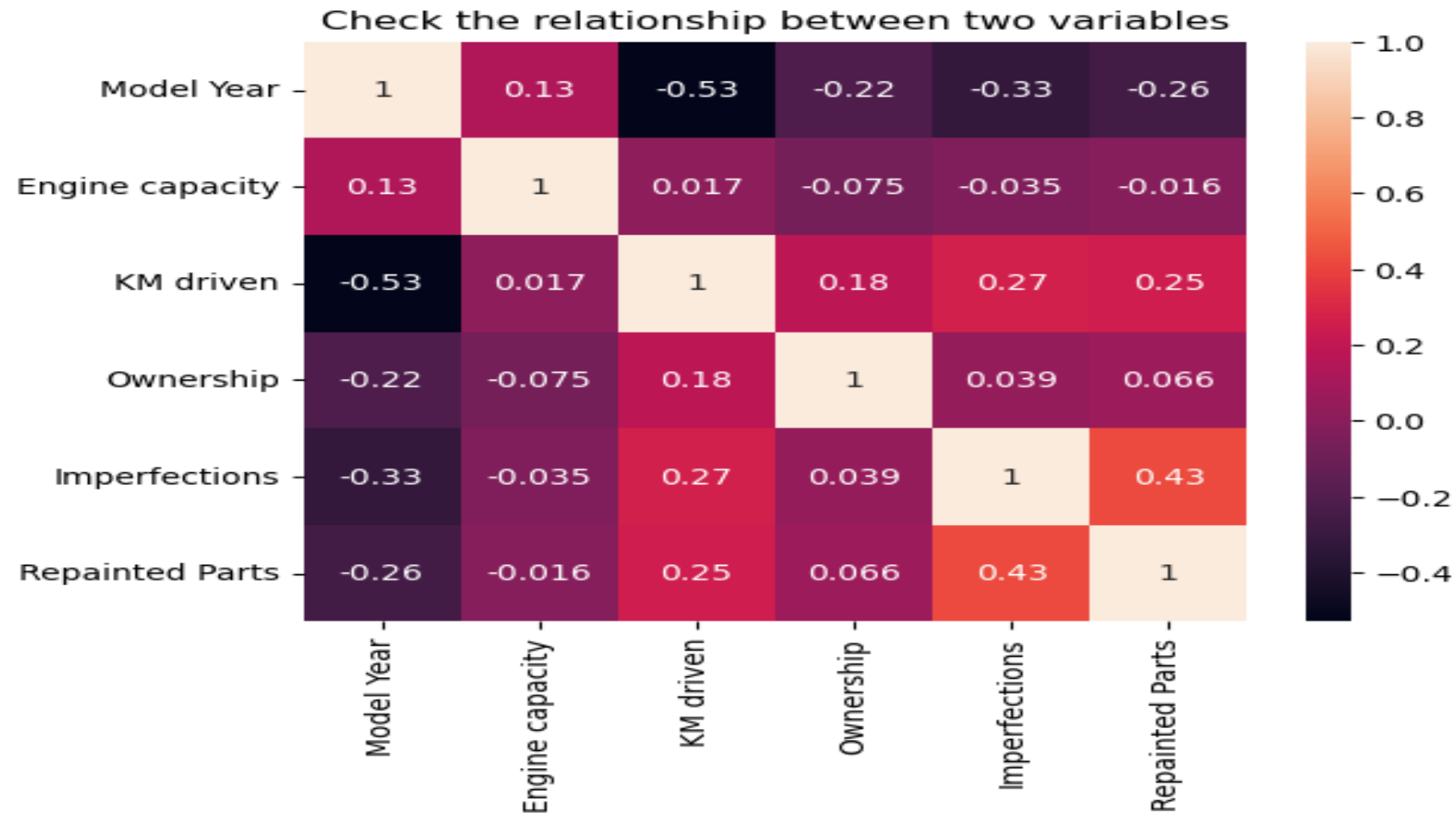


First & Third owner type used cars has spare key options available but the interesting thing is First owner type cars have no spare key options available.

check the Model Year_cat wise km driven cars and check the spare key availability.



Majority of the all the cars has key options available but the interesting thing is those cars nearest or above 1 lakh km has spare key options is available.



You can see the Imperfection wise km driven has 27% relationship

km driven wise repainted parts has 25% relationship

imperfections wise repainted parts has 43% relationship

Final EDA Insights and Recommendations :-

1) Verify Ownership and Spare Key Availability:

Always ensure that the spare key is available, especially for mid-aged cars and first-owner cars. A significant percentage of older cars or those with imperfections may not come with a spare key, so check this before making a purchase.

2) Car Age Considerations:

Mid-aged cars tend to have higher resale value and maintain better condition. Consider mid-aged cars over very old cars as they are usually in better shape. Be cautious with older petrol cars as they might have more imperfections.

3) Fuel Type Considerations:

Petrol cars are the most popular on the platform and are often low-running. However, they tend to have more imperfections. Carefully inspect petrol cars for any flaws.

Diesel and CNG cars are typically medium-running and are more likely to have automatic transmission. Choose automatic transmission cars if that's your preference.

4) Engine Capacity and Transmission Type:

Most cars have medium engine capacity (cc). Petrol cars often fall into this category. If you want higher performance, look for medium cc engine cars.

Final EDA Insights and Recommendations :-

Manual transmission is common in petrol cars, while diesel and CNG cars generally feature automatic transmission. Choose based on your driving style and preference.

5) Repainted Parts:

Check the repainted parts of the car, as petrol-driven cars often have medium repainted parts. Excessive repainting may indicate prior accidents or repairs. Inspect the car's condition thoroughly before buying. [1](#)

6) Running Distance (KM):

Low-running (KM) cars are more desirable as they tend to have a longer lifespan. Look for low KM cars to ensure better condition and longevity.

Medium KM cars, especially diesel and CNG cars, are still reliable options, so don't overlook them if you're seeking a dependable vehicle.

7) Brand Preferences:

Maruti cars manufactured in 2012 or later are some of the highest-selling models on the platform. If you're looking for a reliable car, Maruti is a solid choice.

8) Imperfections in Petrol Cars:

Petrol cars generally have higher imperfections compared to other fuel types. If you are considering a petrol car, ensure that the imperfections are not too severe.

9) Repainted Parts and Spare Key Availability:

Cars with medium-level repainted parts are more likely to have a spare key. These cars are often in better condition, so consider them if you prioritize having a spare key.

10) Mileage Considerations:

First-owner cars typically have better maintenance records and lower running KM. Look for first-owner cars as they tend to be well-maintained, offering better long-term value.



THANK YOU