

Automobile Data Analysis

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Objectives

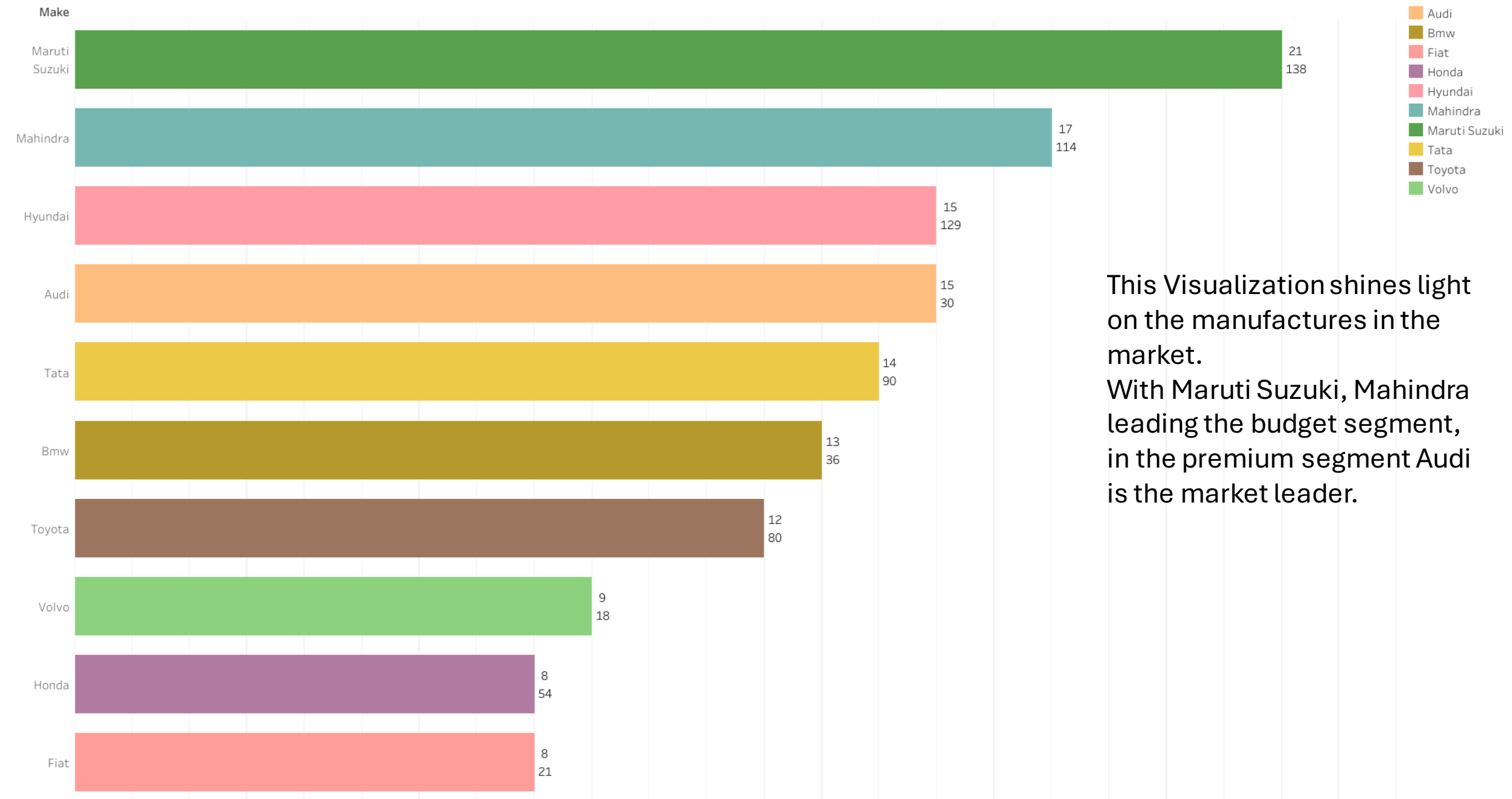
The need of a vehicle in households is not merely a luxury now. They have now become an integral part of our lives from commuting to trips to shopping runs etc. Choosing the right vehicle has become even more challenging because of the introduction of numerous models and variants released in the market by the manufacturers. The aim of this analysis is to guide the customer in choosing the right vehicle for their set of demands. This Analysis and Presentation consists of fields which may be important for a buyer in deciding which vehicle to buy who may be struggling by merely reading the brochures that these Manufacturers give out.

Points Covered

For the ease of choosing among the options, following points were considered while analyzing the Dataset:

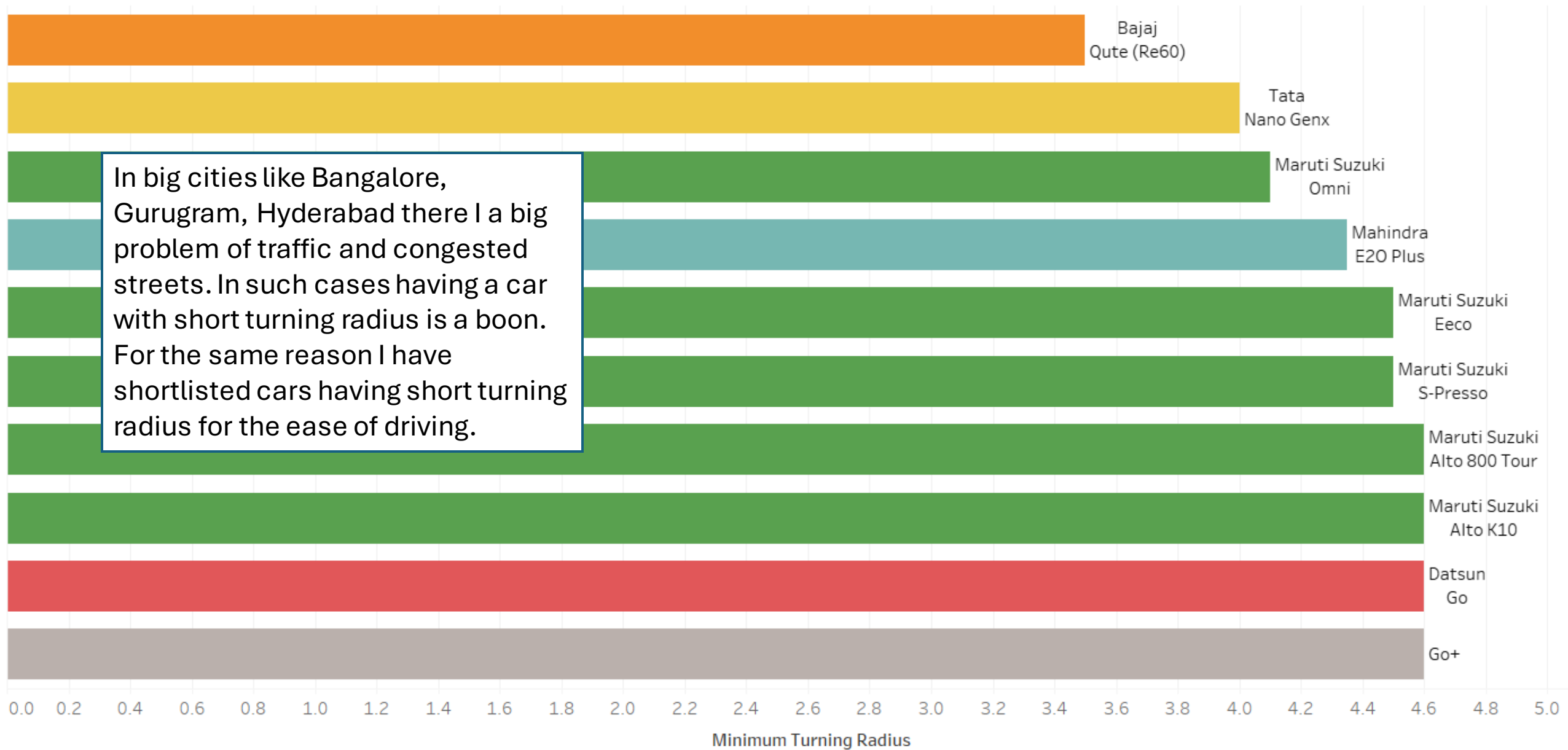
- Top 10 Manufacturers in terms of sales.
- Cars with shortest turning radius(excellent for city use).
- Cars with highest Highway and City mileages.
- Best cars for long trips(All types)
- Best cars for long trips(MPVs, SUVs).
- Top 10 safest cars(By the amount of safety features on offer).
- Cars having high ground clearance

TOP MANUFACTURERS

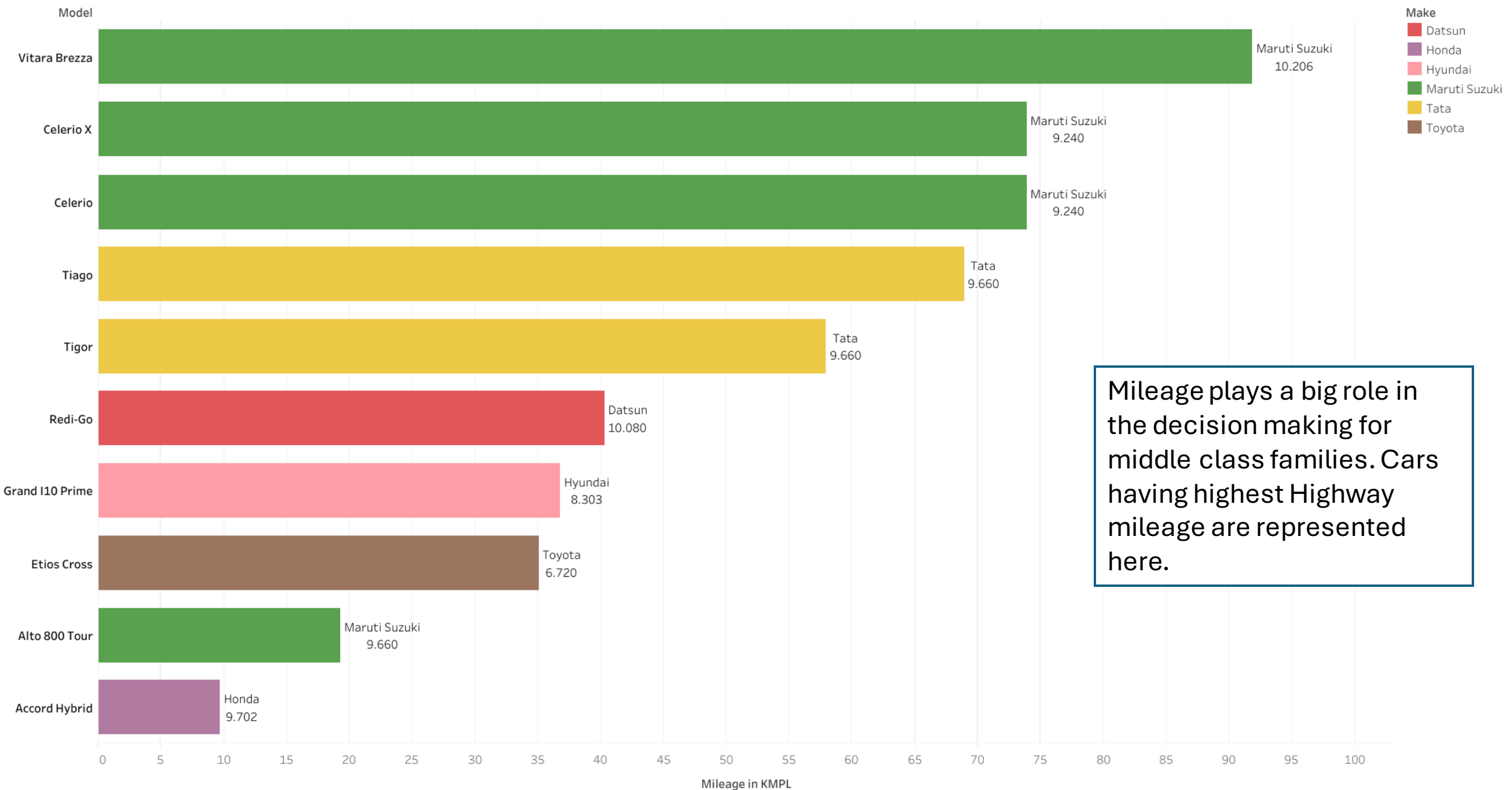


In front of each manufacturer, there are two numbers. The number written above shows the count of Models the company makes and the number belkow shows the variants offered.

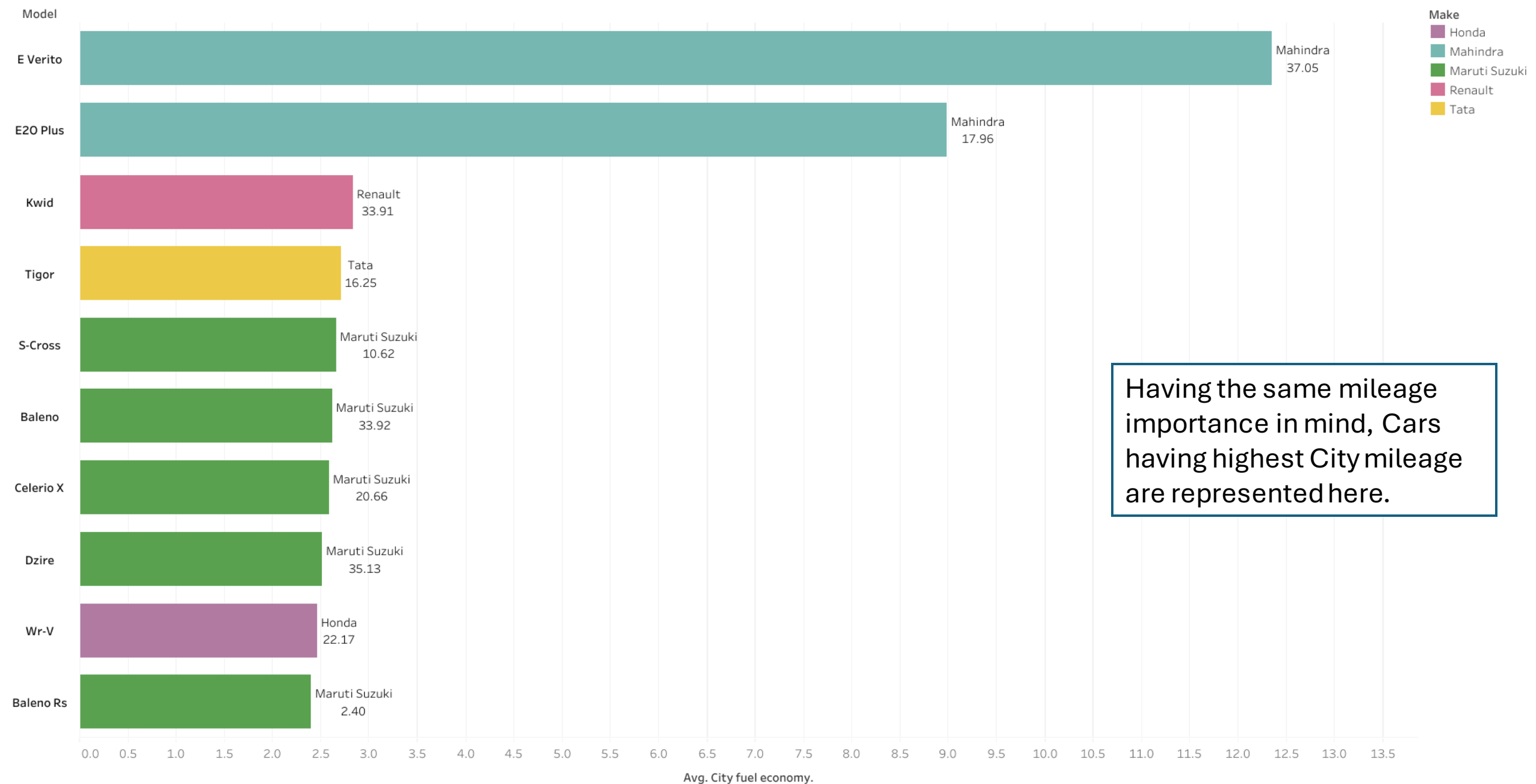
Top 9 cars with shortest Turning Radius



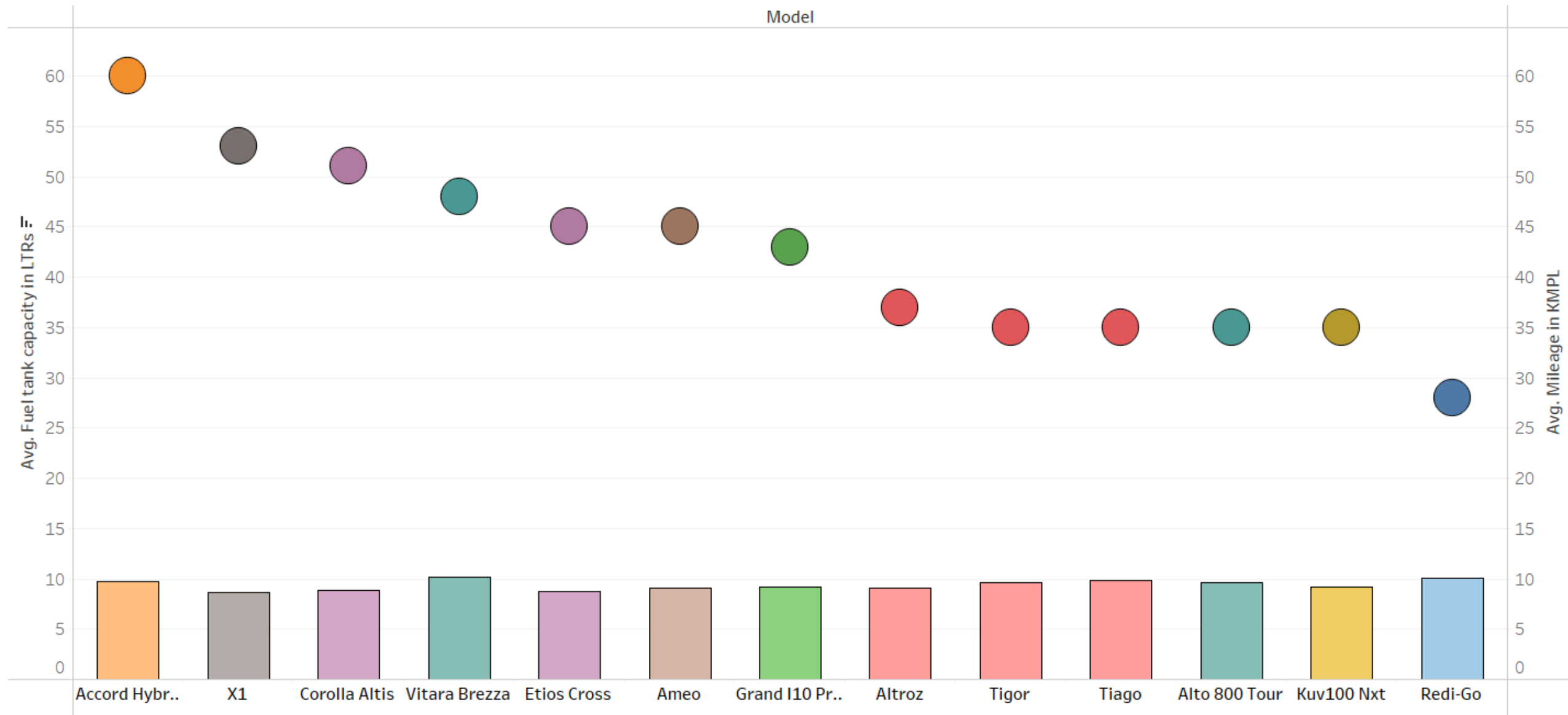
Top 10 cars with Highest Highway Mileage



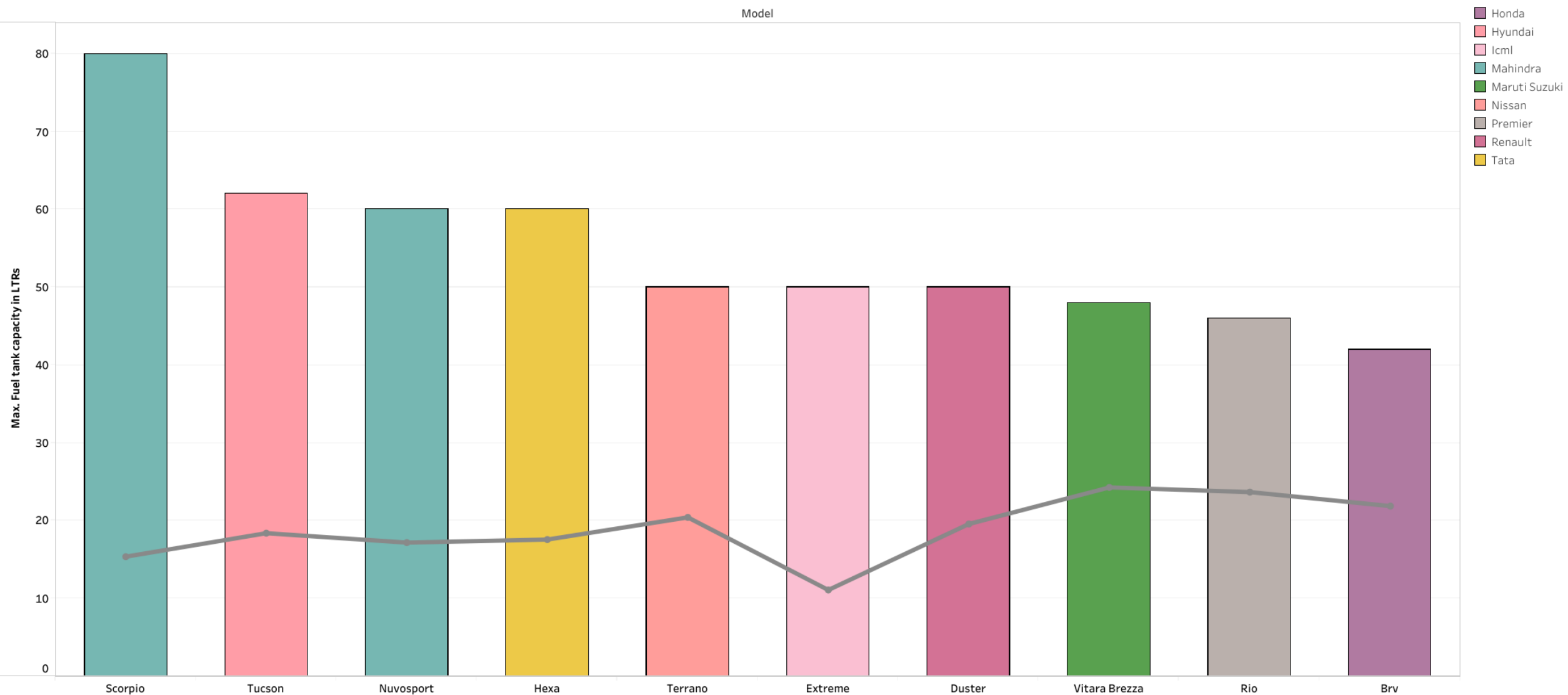
Top 10 cars in terms of City Mileage.



Best cars for long trips all types

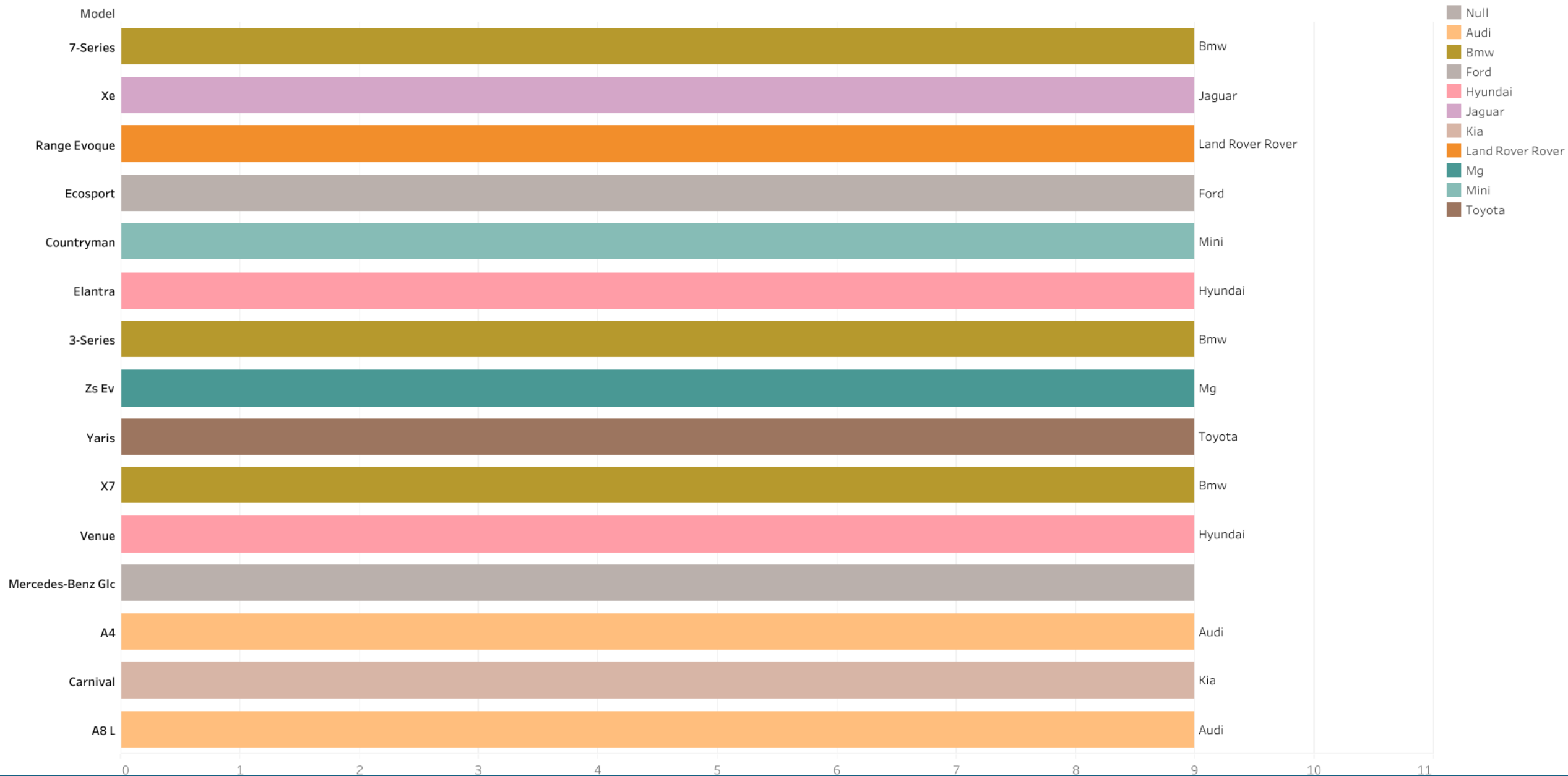


Going for long trips can be challenging especially in areas where fuel is not available everywhere. Analyzing the data, the Vehicles which have the Biggest fuel tanks and Mileage are highlighted here.



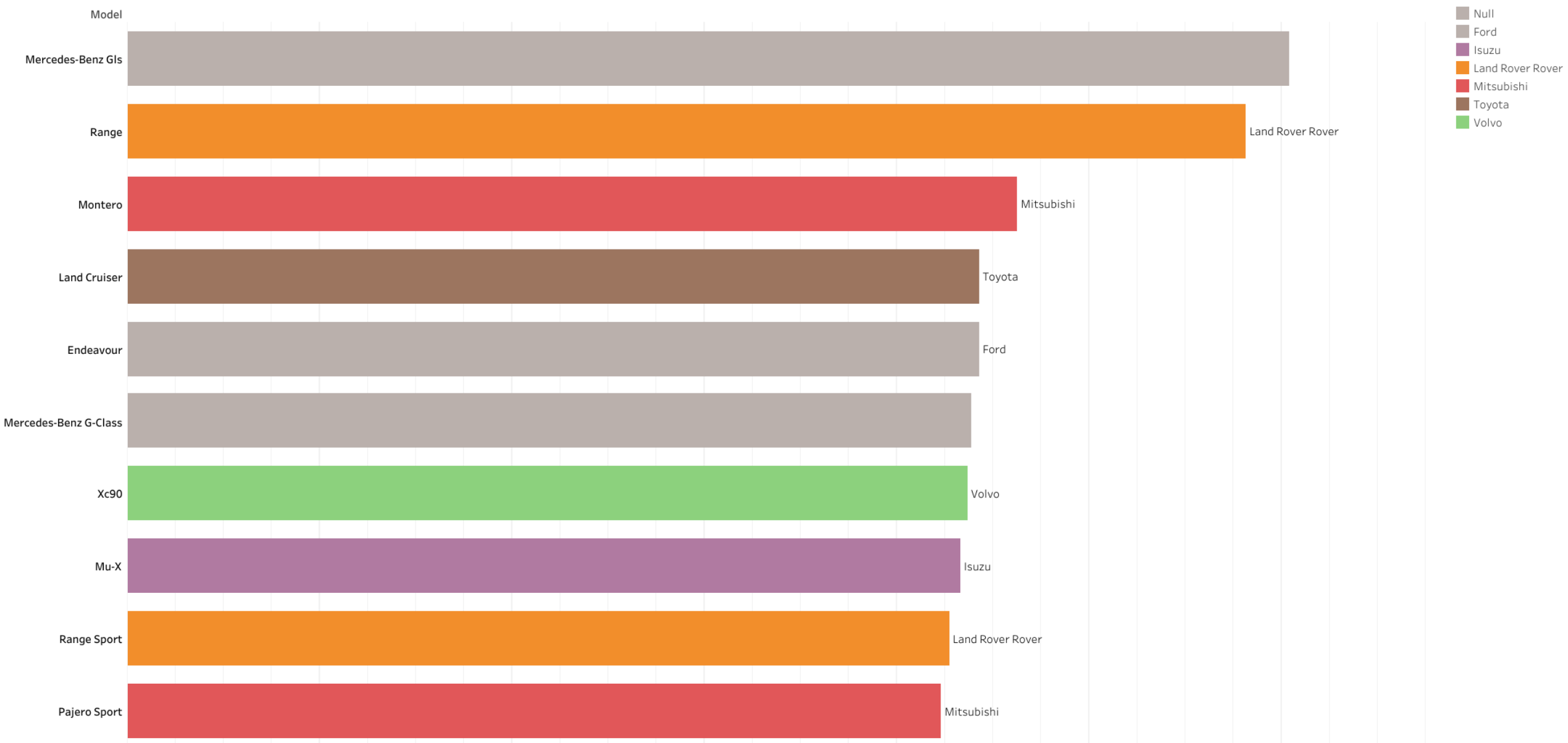
Not all roads can be driven upon by Sedans or small Hatchbacks. For this reason SUVs, MUVs, MPVs provide a better and safer solution to the users. Top 10 SUVs are listed here.

Top 10 cars in terms of safety



Safety is also a big deciding feature for people. Top 10 cars are listed here which provide numerous advanced safety features for the occupants.

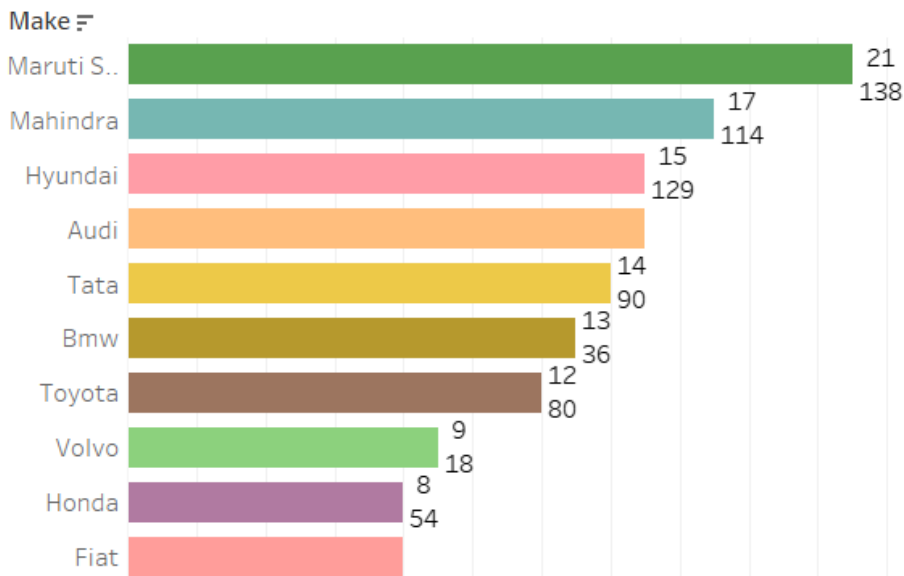
Top 10 cars having highest ground clearance.



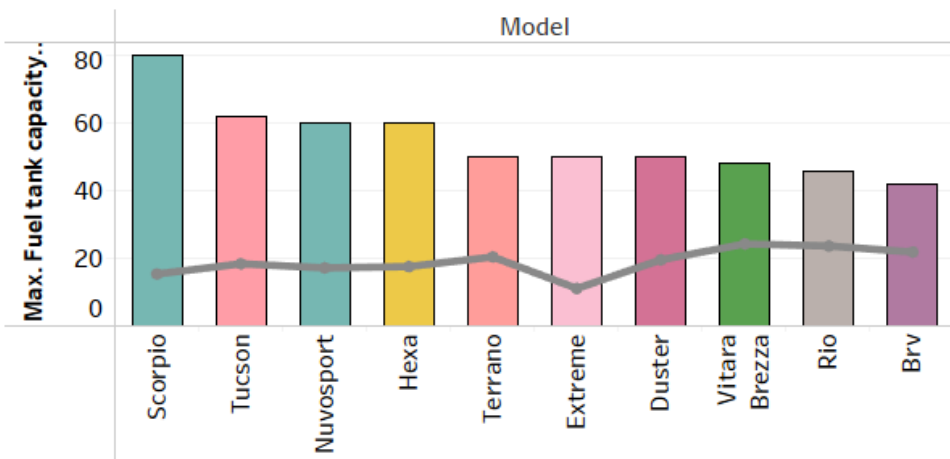
For people who want to enjoy their passion for off-roading, SUVs with highest ground clearance are presented here.

NEW VEHICLES DATA ANALYSIS.

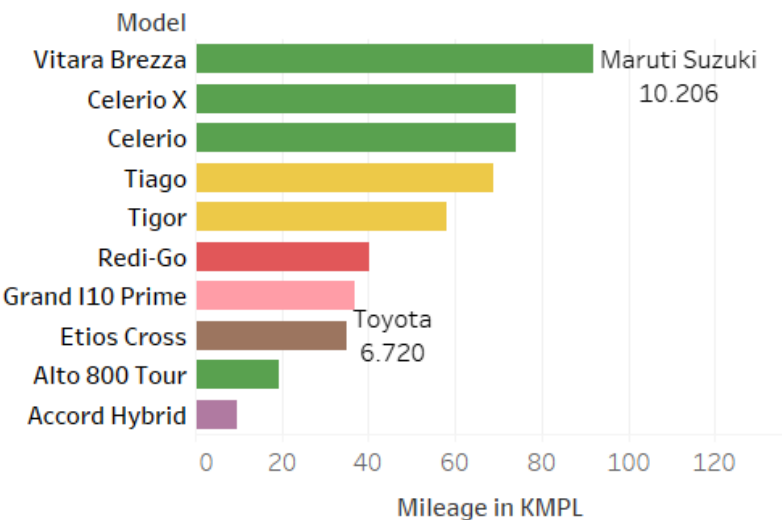
TOP MANUFACTURERS



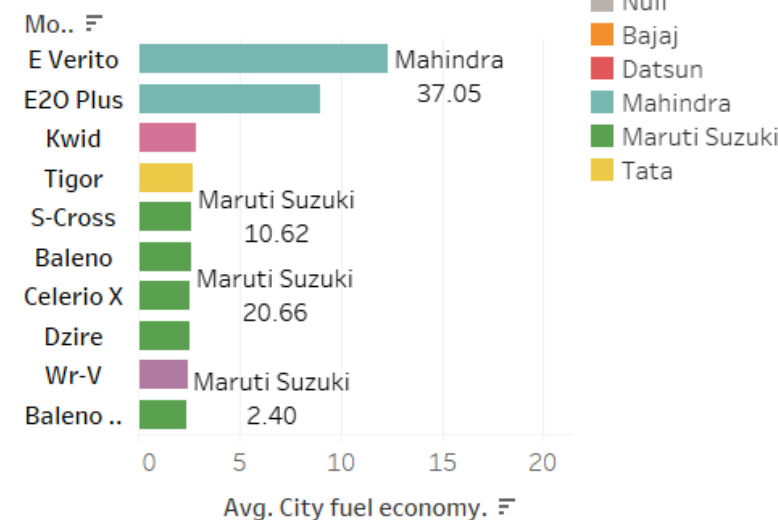
Best cars for long trips SUVs, MPVs



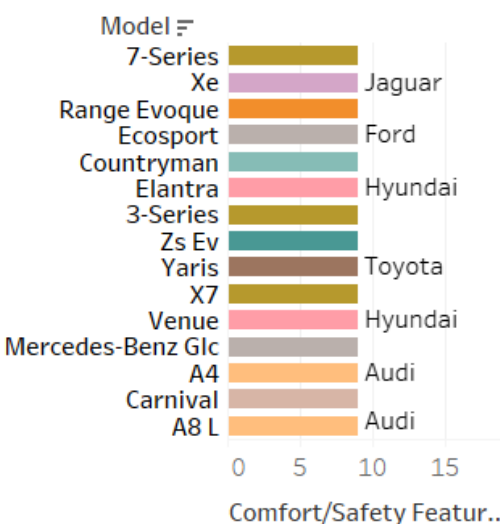
Top 10 cars with Highest Highway Mileage



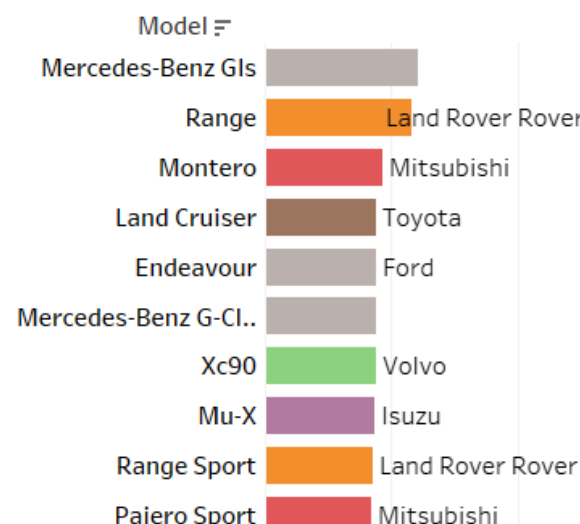
Top 10 cars in terms of City Mileage.



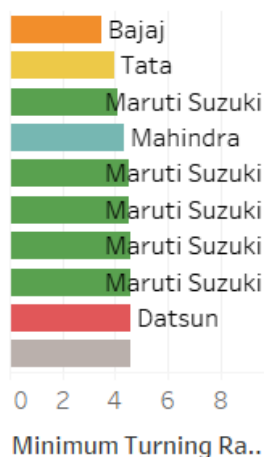
Top 10 cars in terms of safety



Top 10 cars having highest ground clearance.



Top 9 cars with shortest Turning Radius



Summary

There is a vehicle for every type of buyer. These analysis help them decide which vehicle may be the perfect one for them.

- Most popular manufacturers are safer to choose as they have excellent aftersales service and service centers.
- If your vehicle usage is primarily in congested cities, a vehicle with small dimensions and ease of maneuverability will make your life easier.
- Choosing vehicles with Higher mileage will keep cost of running down.
- People making or wanting to make frequent long trips may want to choose cars with High mileage and Bigger fuel tanks for hassle free experience.
- People living in areas where roads are not fully developed, choosing a bigger rugged suv will be a boon.

Thankyou