Different Cars Segment (Category-wise)

Segment A (Mini Hatchbacks) – Top 5 cars

Car's Specification

Hatchbacks in this segment for one are way less than 4 meters in length.

These mini hatchbacks possess a small engine that offers ample power that does the job of city commutes well.

Besides, these small engines are efficient. Talking about the engines here in India this segment only offers a petrol engine.

For even more convenience the A-segment hatchbacks also have an option of an AMT gearbox.

Talking about the features they have a right amount of with no fancy going on form them. In one way or the other, this is a boon as it helps to keep the costs low.

Cars in this segment include Maruti, Hyundai, Chevrolet, Tata and more Brands.

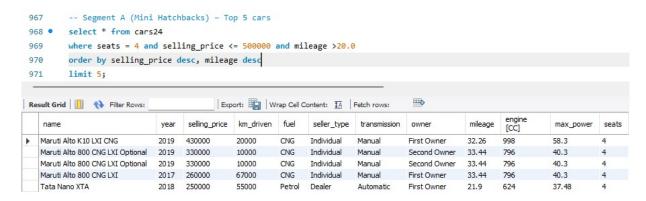
-- Segment A (Mini Hatchbacks) - Top 5 cars

select * from cars24

where seats = 4 and selling_price <= 500000 and mileage >20.0

order by selling price desc, mileage desc

limit 5;



Segment B (Small Hatchbacks) – Top 5 cars

Car's Specifications

The B-Segment hatchbacks possess a length of just under 4 meters. Viewing from the front, small hatchbacks are also a little wider and taller than the smaller segment.

A decent-sized engine runs these hatches. The engines range anywhere from 1.0-litre turbo petrol to a 1.2litre 4 cylinder engine.

For those long daily travel one can opt from diesel as well as a petrol engine depending upon the car manufacturer.

Talking about the drivetrain, one can opt for a proper automatic, like a CVT or a DCT. There is also an option of an AMT.

Car features are where B-Segment shines. The cars get a lot of premium features with premium quality interiors.

Cars in this segment include Tata, Maruti, Mahindra, Ford and more.

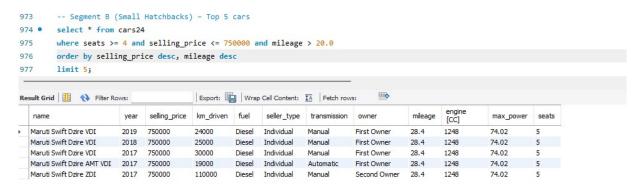
-- Segment B (Small Hatchbacks) - Top 5 cars

select * from cars24

where seats >= 4 and selling_price <= 750000 and mileage > 20.0

order by selling price desc, mileage desc

limit 5;



Segment C (Small Sedan or Family card) - Top 5 cars

Car's Specification

Unlike the sub-compact segment, these are manufactured from the ground up and do not share their platform hence making them unique. With that, cars in small C-Segment offer a decent length and width that makes it somewhat difficult to do city commutes. For reference, they measure far more from 4 meters in length

Bigger size also increase the weight, hence it is evident to get a bigger engine anywhere from a 1.5-litre to a 1.6-litre.

Both Diesel as well as petrol engines are on offer

For utter convenience and comfort, the cars also offer an automatic transmission. That includes a torque converter, a DCT or a CVT.

The cars in this segment include Hyundai, Honda, , Maruti, Ford and more.

-- Segment C (Small Sedan) – Top 5 cars

select * from cars24

where seats >= 4 and selling_price <= 850000 and mileage > 20.0

order by selling_price desc, mileage desc

limit 5;

| 98 | 80 • select * from | select * from cars24 | | | | | | | | | | | |
|----|---|---|-------------------------|------------------------------|--------------------------|--------------------------------|----------------------------------|-------------------------------|-----------------|----------------------|--------------|--------|--|
| 98 | 81 where seats >= | where seats >= 4 and selling_price <= 850000 and mileage > 20.0 | | | | | | | | | | | |
| 98 | order by sellin | order by selling_price desc, mileage desc | | | | | | | | | | | |
| 98 | B3 limit 5; | limit 5; | | | | | | | | | | | |
| _ | | | | | | | | | | | | | |
| | | | | | | | | 1000 | | | | | |
| Re | esult Grid | | selling price | | | | Fetch rows: | owner | mileage | engine | may nower | seats | |
| Re | esult Grid H | vs: | selling_price | Export: km_driven | Wrap (| Cell Content: TA F | transmission | owner | mileage | engine [CC] | max_power | seats | |
| Re | | | selling_price 850000 | | | | | | mileage 25.6 | engine [CC] | max_power | seats | |
| Re | name | year | 56000 Carrier ASS | km_driven | fuel | seller_type | transmission | owner | 30000E0 | [CC] | 5,000 - | 200000 | |
| Re | name Honda City i-DTEC VX | year 2017 | 850000 | km_driven | fuel Diesel | seller_type Dealer | transmission Manual | owner First Owner | 25.6 | [CC] 1498 | 97.9 | 5 | |
| Re | name Honda City i-DTEC VX Maruti Ertiga SHVS ZDI Plus | year 2017 2017 | 850000 850000 | km_driven 103000 40000 | fuel Diesel Diesel | seller_type Dealer Individual | transmission Manual Manual | owner First Owner First Owner | 25.6 24.52 | [CC] 1498 1248 | 97.9 88.5 | 5 | |

Segment D (Sedans or Mid-size family cars) – Top 5 cars

Car's Specifications

Bigger better and larger is what that defines this D-segment sedan. Yes! C-segment sedans are long, these sedans are even longer making them harder to manoeuvre.

This is where the powertrain and the drivetrain don't matter, but it is the interior and amount of luxury features that are a concern. The owners of these sedans spend most of their time in the back seat relaxing the city commute.

Hyundai, Honda, , Maruti, Ford and more, Cars that are a part of this family.

select * from cars24

where seats >= 5 and selling_price <= 950000 and mileage > 22.0

order by selling_price desc, mileage desc

limit 5;



Segment E (Executive Luxury Cars)

Car's Specifications

These luxury sedans are even longer and wider, opening up more space on the inside. How much more space? you may ask, well enough for a 6 footer to stretch his/her legs on the rear seats. This is possible because of the long wheelbase.

From the letter E, these shout excellence and luxury making them famous among the business class.

Thinking of city commutes? FUNNY! good luck with that. The sheer size lets you think twice before manoeuvring and planning your moves and overtakes beforehand is something you should get used to.

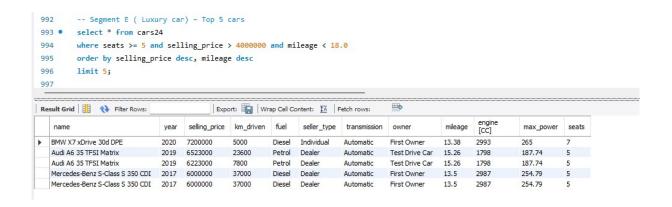
Cars that come in this segment are Audi, BMW , Mercedes- Benz and more.

select * from cars24

where seats >= 5 and selling_price > 4000000 and mileage < 18.0

order by selling_price desc, mileage desc

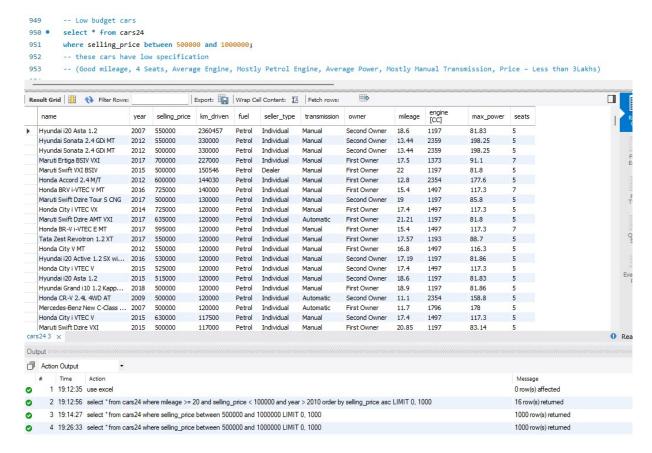
limit 5;



Different Cars Segment (Price-wise)

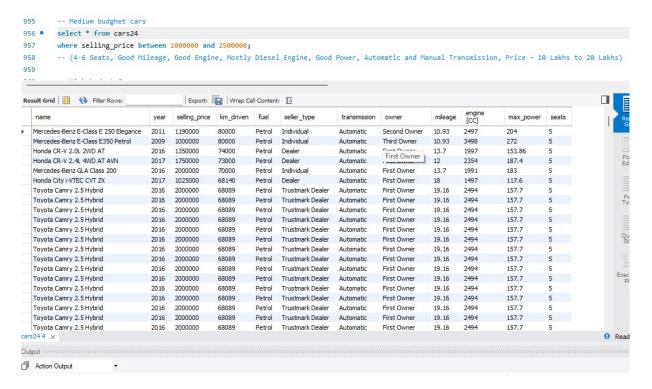
Low Budget Cars (Good mileage, 4 Seats, Average Engine, Mostly Petrol Engine, Average Power, Mostly Manual Transmission, Price – Less than 3Lakhs)

select * from cars24 where selling_price between 500000 and 1000000;



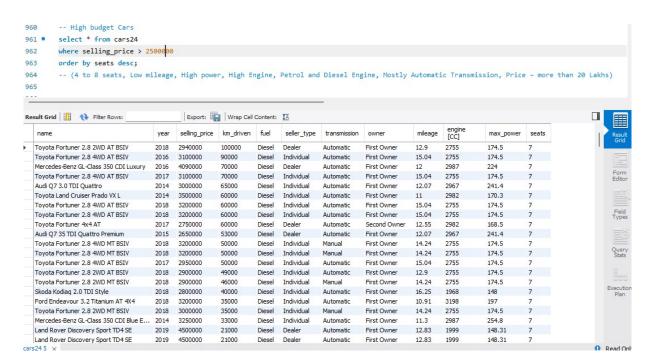
Medium Budget Cars (4-6 Seats, Good Mileage, Good Engine, Mostly Diesel Engine, Good Power, Automatic and Manual Transmission, Price – 10 Lakhs to 20 Lakhs)

select * from cars24 where selling_price between 1000000 and 2500000;



High Medium Budget Cars - Luxury Cars (4 to 8 seats, Low mileage, High power, High Engine, Petrol and Diesel Engine, Mostly Automatic Transmission, Price – more than 20 Lakhs)

select * from cars24 where selling_price > 2500000 order by seats desc;

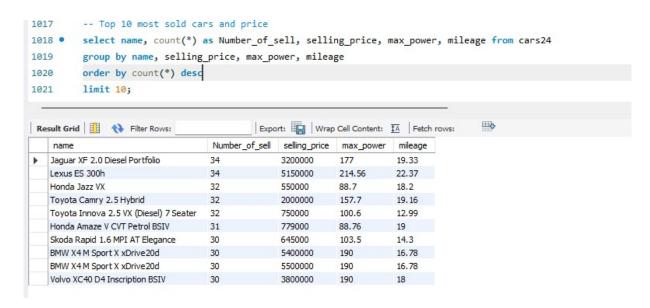


Here is some other insights for the Business

Top 10 cars sold over-all

limit 10;

-- Top 10 most sold cars and price
select name, count(*) as Number_of_sell, selling_price, max_power, mileage from cars24
group by name, selling_price, max_power, mileage
order by count(*) desc



Numbers of cars sold by each fuel

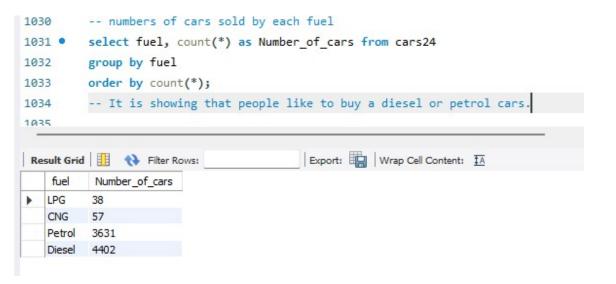
-- numbers of cars sold by each fuel

select fuel, count(*) as Number_of_cars from cars24

group by fuel

order by count(*);

-- It is showing that people like to buy a diesel or petrol cars.

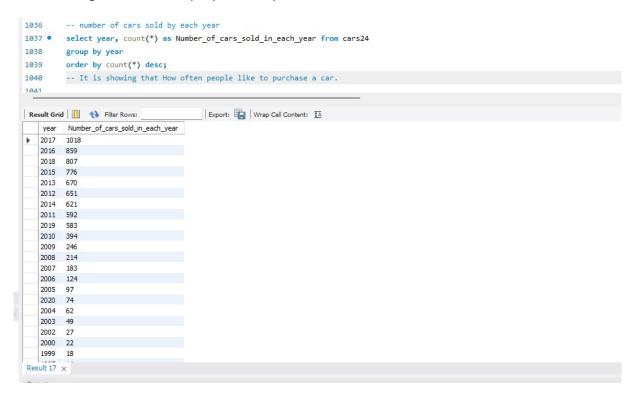


Numbers of cars sold by each year

-- number of cars sold by each year

select year, count(*) as Number_of_cars_sold_in_each_year from cars24
group by year
order by count(*) desc;

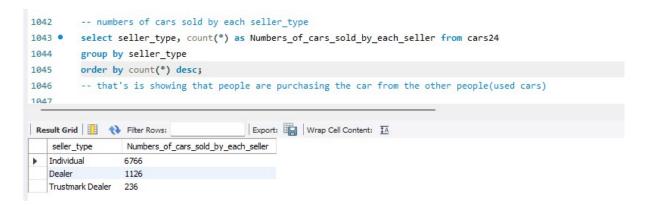
-- It is showing that How often people like to purchase a car.



Numbers of cars sold by Seller_Type

-- numbers of cars sold by each seller_type
select seller_type, count(*) as Numbers_of_cars_sold_by_each_seller from cars24
group by seller_type
order by count(*) desc;

-- that's is showing that people are purchasing the car from the other people(used cars)



Numbers of cars sold by each Transmission

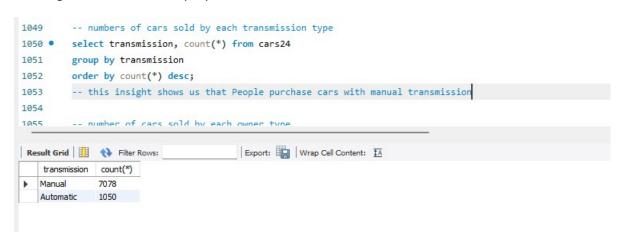
-- numbers of cars sold by each transmission type

select transmission, count(*) from cars24

group by transmission

order by count(*) desc;

-- this insight shows us that People purchase cars with manual transmission



Number of cars sold by each Owner type

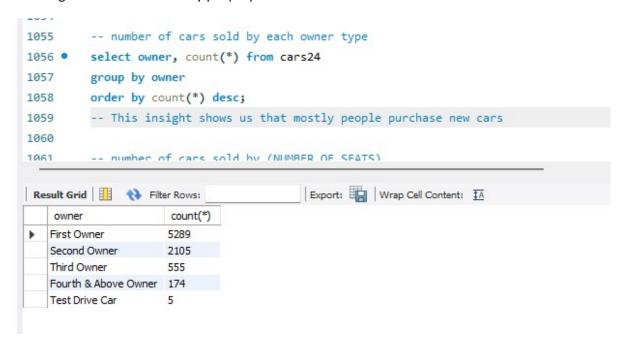
-- number of cars sold by each owner type

select owner, count(*) from cars24

group by owner

order by count(*) desc;

-- This insight shows us that mostly people purchase new cars



Number of cars sold by each Seats

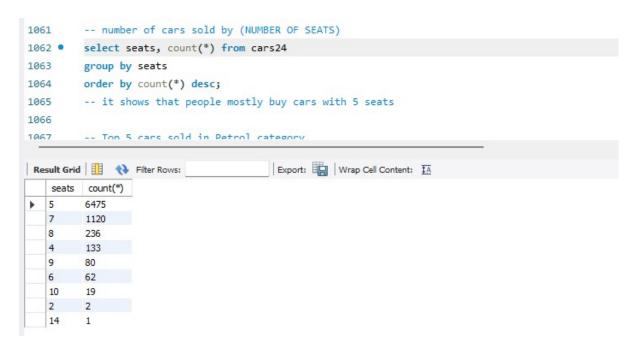
-- number of cars sold by (NUMBER OF SEATS)

select seats, count(*) from cars24

group by seats

order by count(*) desc;

-- it shows that people mostly buy cars with 5 seats



Top 5 cars sold in petrol category

-- Top 5 cars sold in Petrol category

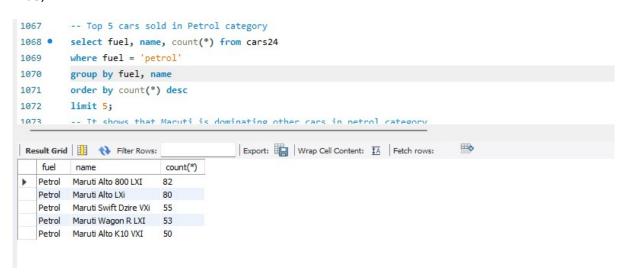
select fuel, name, count(*) from cars24

where fuel = 'petrol'

group by fuel, name

order by count(*) desc

limit 5;



Top 5 cars sold in Diesel category

-- Top 5 cars sold in Fuel Category

select fuel, name, count(*) from cars24

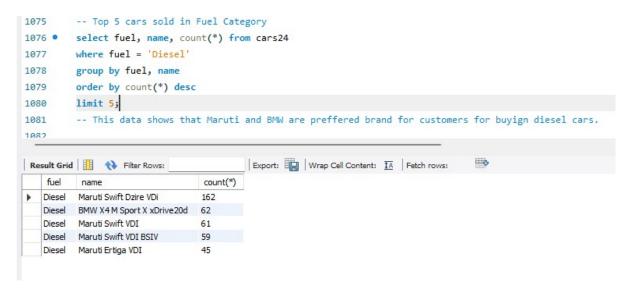
where fuel = 'Diesel'

group by fuel, name

order by count(*) desc

limit 5;

-- This data shows that Maruti and BMW are preffered brand for customers for buyign diesel cars.



Top 5 cars with best mileage in petrol

-- Top 5 cars with best mileage in Petrol - fuel type

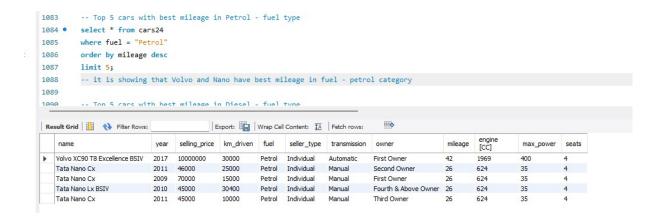
select * from cars24

where fuel = "Petrol"

order by mileage desc

limit 5;

-- it is showing that Volvo and Nano have best mileage in fuel - petrol category



Top 5 cars with best mileage in diesel

-- Top 5 cars with best mileage in Diesel - fuel type

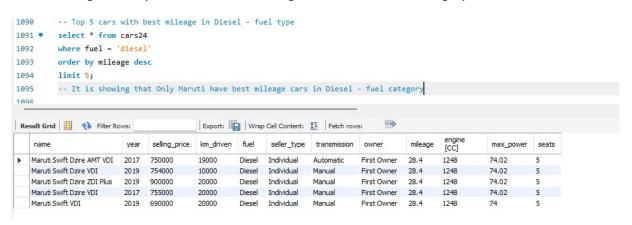
select * from cars24

where fuel = 'diesel'

order by mileage desc

limit 5;

-- It is showing that Only Maruti have best mileage cars in Diesel - fuel category



Top 5 cars with best mileage in CNG

-- Top 5 cars with best average in CNG fuel

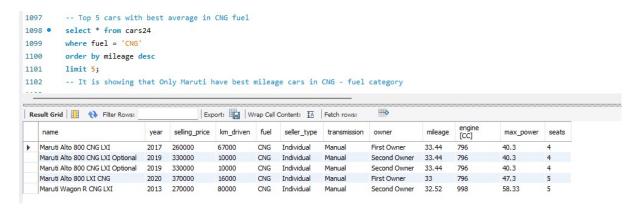
select * from cars24

where fuel = 'CNG'

order by mileage desc

limit 5;

-- It is showing that Only Maruti have best mileage cars in CNG - fuel category



Top 5 cars with best power

-- Top 5 cars with best power and engine

select * from cars24

order by max_power desc, `Engine [CC]` desc

limit 5;

-- This insight showing that VOLVO, Mercedes and Jeep are creating cars with most powerfull engines

