# CAR\_DEKHO

-----Exploratory Analysis ------

1). Overall distribution of cars by their manufacturing year?

## Query:

```
SELECT year, COUNT(*) AS num_cars
FROM Car_dekho
GROUP BY year
ORDER BY num_cars DESC;
```

### Result:

	Wear	DIIM Care
_	year	num_cars
•	2017	1010
	2016	856
	2018	806
	2015	775
	2013	668

2). Selling price variation based on the number of kilometers driven?

#### Query:

```
SELECT

CASE

WHEN km_driven < 50000 THEN 'Less than 50k km'
WHEN km_driven BETWEEN 50000 AND 100000 THEN '50k - 100k km'
ELSE 'More than 100k km'
END AS km_range,
AVG(selling_price) AS avg_selling_price
FROM Car_dekho
GROUP BY km range;
```

### Result:

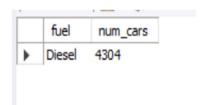
	km_range	avg_selling_price
•	Less than 50k km	967561.3288
	50k - 100k km	486789.2361
	More than 100k km	416156.9095

#### 3). Most common fuel type among the listed cars?

#### Query:

```
SELECT fuel, COUNT(*) AS num_cars
FROM Car_dekho
GROUP BY fuel
ORDER BY num_cars DESC
LIMIT 1;
```

### Result:



# 4). Average mileage of cars?

#### Query:

```
SELECT AVG(CAST(REPLACE(mileage, 'kmpl', '') AS DECIMAL)) AS avg_mileage
FROM Car_dekho;
```

# Result:



#### 5). Distribution of cars based on the number of seats?

#### Query:

```
SELECT seats, COUNT(*) AS num_cars
FROM Car_dekho
GROUP BY seats
ORDER BY num_cars DESC;
```

### Result:

	seats	num_cars
•	5	6274
	7	1120
	8	236
	4	133
	9	80

# 6). Number of cars listed by individual sellers vs dealers?

# Query:

```
SELECT seller_type, COUNT(*) AS num_cars
FROM Car_dekho
GROUP BY seller_type;
```

# Result:

	seller_type	num_cars
١	Individual	6578
	Dealer	1113
	Trustmark Dealer	236