SET INTERNSHIP REPORT

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ABSTRACT

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This report outlines the process of collecting information from multiple websites and analyzing the data with the aid of specific tools. Our primary aim is to access the data from websites and manipulate it using a specific tool. Additionally, we strive to identify the cause of any patterns that arise from the data.

TOOLS USED

A variety of Tools were utilized to achieve advancement.

- **Web Scraper**: The Web Scraper Tool was used to scrape the source data from the website with the help of mechanized scraping, which could scrape the data with minimal steps. It is a Chrome extension that can access the webpage with the aid of a built-in request.

- **Excel:** Excel was also used to store the scraped data in a structured tabular format, and then it was used for statistical analysis.

- **Python:** Python was employed to clean the dataset by eliminating null values, as well as to input statistical values into the dataset.

- **Power BI:** Power BI was a key tool used to derive insights from the data, providing us with patterns for root cause analysis.

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METHODOLGY

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INDIAN MARKET ELECTRIC VEHICLES

ELECTRIC CYCLE DATA

	name	price in (I	range (kr	Topspee	battery c	charging	TCS per	charge in minutes
0	Motovolt	36,000	70	25	16	4.5	0.064	270
1	Hero Lec	28,499	30	25	5.8	4	0.064	240
2	Hero Lec	27,499	30	25	5.8	4	0.064	240
3	Hero Lec	38,999	30	25	5.8		0.064	210
4	Hero Lec	32,999	30	25	5.8	3.5	0.064	210
5	Hero Lec	38,999	30	25	5.8	3.5	0.064	210
6	Nexzu R	33,999	32	25	5.2	2.75	0.064	165
7	Firefox A	60,000	52.157	28.75	10.3	4.5	0.064	270
8	EMotora	79,800	50	25	10	5.5	0.05	330
9	SVITCH	98,999	80	25	14.5	4.5	0.064	270
10	BattRE E	38,700	52.157	28.75	13	4.5	0.064	270
11	BattRE E	35,700	52.157	28.75	13	4.5	0.064	270
12	BattRE E	40,700	52.157	28.75	13	4.5	0.064	270
13	BattRE E	29,900	52.157	28.75	8	4.5	0.064	270
14	EMotora	46000	45	25	10.4	4.5	0.05	270
15	EMotora	58,999	45	45+	10.4	4	0.05	240
16	SVITCH I	47,000	52.157	25	8.7	4.5	0.064	270
17	Essel En	42,500	75	25	16	4.5	0.07	270
18	Essel En	37,500	45	25	13	4.5	0.1	270
19	Toutche	49,900	75	25	11.6	4.5	0.04	270
20	Toutche	53,900	75	25	11.6	4.5	0.04	270
21	Toutche	57,900	75	25	11.6	4.5	0.04	270
22	Polarity S	38,000	80	80	5.8	4.5	0.064	270
23	Polarity S	40,000	80	100	10.3	4	0.064	240
24	Motovolt	49,999	120	25	20	4	0.064	240
25	Nexzu B	46,999	85	25	13.9	3.5	0.064	210
26	Nexzu R	45,999	82.5	25	13.9	7.5	0.064	450
27	Motovolt	29,774	67.5	28.75	16	4.5	0.12	270
28	Motovolt	28,449	37.5	25	6	4.5	0.05	270
29	Motovolt	29,774	67.5	25	16	4.5	0.12	270
30	Motovolt	31,049	67.5	25	16	4.5	0.12	270
31	Hero Lec	44,090	57.5	25	11.6	7	0.05	420
32	Hero Lec	44,419	72.5	25	14.5	7	0.05	420
33	SVITCH	74,999	47.5	25	11.6	4.5	0.08	270
34	Hero Lec	39,999	25	25	6.36	4.5	0.06	270
35	Hero Lec	40,999	25	25	6.4	4.5	0.06	270
36	Hero Lec	34,999	25	25	6.36	4.5	0.06	270
37	Hero Lec	46,999	25	25	8.7	4.5	0.08	270
38	Hero Lec	39,999	25	25	6.4	4.5	0.06	270
39	Hero Lec	34,999	25	25	5.8	4	0.05	240
40	Hero Lec	54,999	60	25	11.6	5.5	0.05	330
41	Lectro El	36,999	30	25	5.8	4	0.05	240
42	Hero Lec	30,999	30	25	5.8	4	0.05	240
43	Hero Lec	28,999	30	25	5.8	4	0.05	240
	Average	43,364	52.158	28.547	10.225	4.5174		
	Standarc	14435	22.463	13.967	3.9643	0.8701		
	max	98,999	120	100	20	8		

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INDIAN MARKET ELECTRIC VEHICLES

ELECTRIC HOVERBOARD DATA

product	price	max spee	max distar	charging ti	battery vo	battery ah
Uboard SUV Off-Roader - Hoverboard - Electric Vehicle	26,999	15	14	120	36	4.4
Uboard Classic 6.5 - Hoverboard - Electric Vehicle	32,449	12	12	120	36	2.2
Uboard Eco 6.5 - Hoverboard - Electric Vehicle	18,999	8	8	90	36	4.4
Uboard Hybrid 08+ - Hoverboard - Electric Vehicle	26,949	14	14	120	36	4.4
CXM 6.5 - Hoverboard - Electric Vehicle	15,999	12.25	12	112.5	36	4.4
sky wings segway hoverboard Self Balancing 6.5" HoverBoard Scooter (Wh	11,999	12.5	17.5	90	36	4.4
TYGATEC ECO_Bluetooth Music Speaker Hover boarElectric Drifting Board	14,395	12.25	13	116.25	36	4.4
Uboard ECO Board 6.5 Inch Electric Hoverboard HoverBoard Scooter	20,999	10	25.5	120	36	4.4
sky wings platinum self balancing electric scooter hover board	19,999	12.5	17.5	120	36	4.4
CXM Hoverboard Self Balancing Electric Scooter 8.5" HoverBoard Scooter	14,354	12	14	112	36	4.4
EMOB Two Wheels Electric Standing Smart Balance Self Balancing Hover bo	20,314	12	15	112	36	4
Zroof Hoverboard Self Balancing Electric Scooter HoverBoard Scooter (Mu	19,646	12	15	111	36	4
Bird Hoverboard Electric Scooter Board	20,314	10	15	90	36	4.4
TARKAN Self Balancing Electric Scooter HoverBoard Scooter	15,923	10	15	110.316	36	4.4
ABB Self balancing electric scooter HoverBoard Scooter	14448	12	15	110.316	36	4
average	19,586	11.75367	14.805	110.316	36	4.195867
median	19,646	12	15	112	36	4

There are some steps involved to progress these two dataset.

Step 1. The most primary tool web scraper extension is used to scrape the data from the website.

Step 2. Excel is utilized for storing the data in the structured format and secondly for the statistical analysis to fill the null values.

Step 3. Python tool is used to clear all null values and impute the statistical value in the dataset of the missing values with the help of dedicated python code

Step 4. For extracting the insights from the dataset Power BI is used for the visualization.

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ROOT CAUSE ANALYSIS

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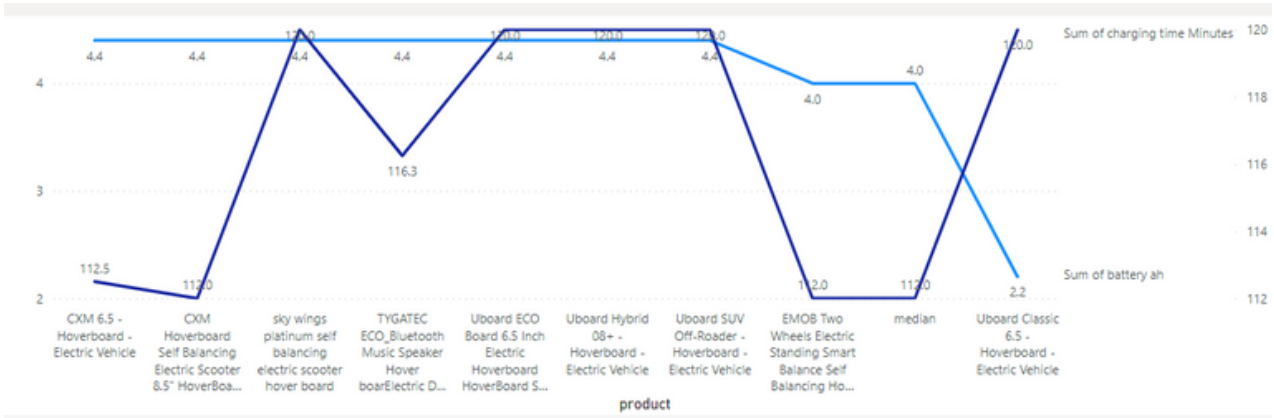
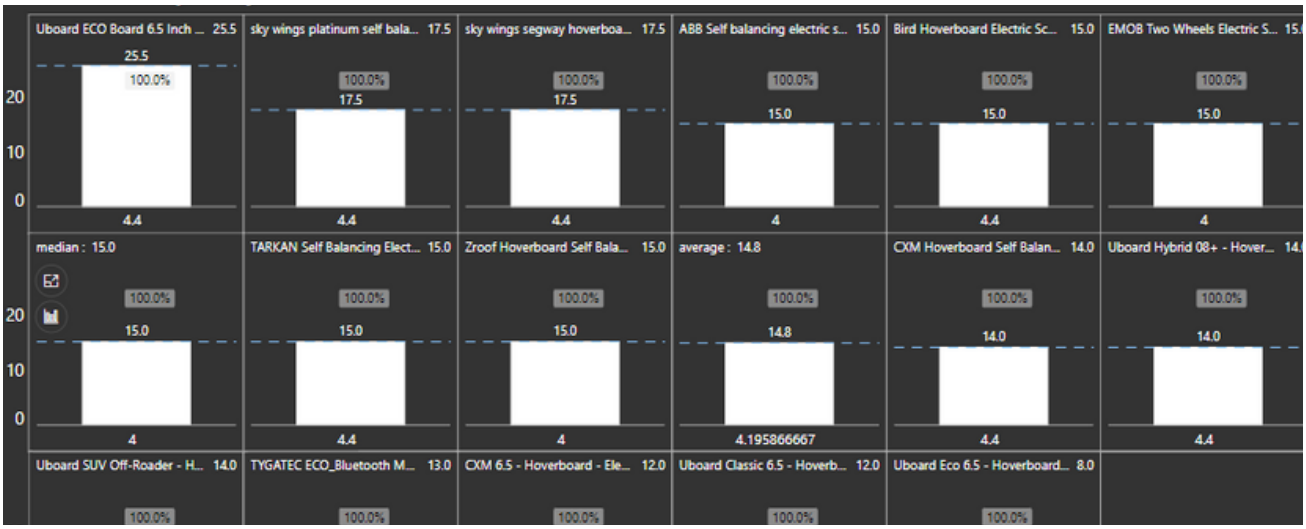
Pattern From the Dataset



or more info about battery: https://batteryuniversity.com/article/bu-409-charging-lithium-ion

y small battery charge slower than the higher capacity battery?

son behind this occasion the large battery capacity batteries can be charged using parallel charging, so it reduces charging time then the traditional charging method. parallel charging can be symmetrical meaning that we fix nmetrical charging capacity batteries i.e., 1500 and 1600 can be connected parallelly for charging and the



This chart displays the trend of the batteries employed by each company. The amount of energy stored in each battery is not the same, and neither is the range of mileage it can cover. Although a few of the batteries have similar capacities, the distance range may be distinct. This problem can come up when a defective vehicle part is connected to the battery and damages it.

Main Factors that Influence the Range

1. Excessive Heat

2. Malfunctioning Alternator

3. Short Trip wiring

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PROGRESS

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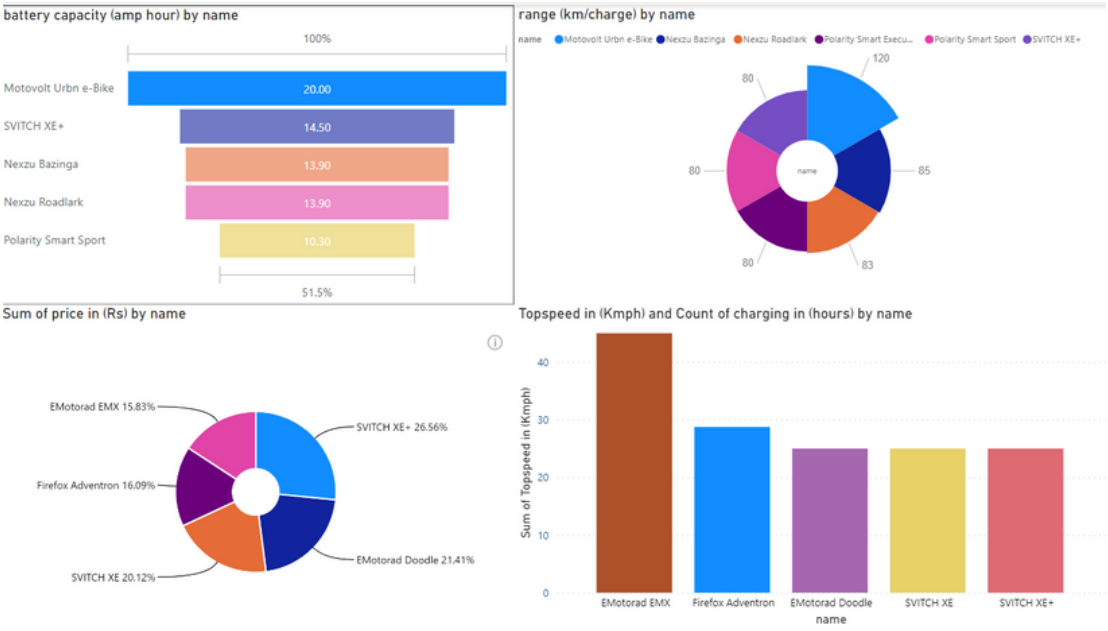

This graphic presents data insights that could uncover a hidden pattern in the data.

1) EV scooters dataset

```
In [7]: import numpy as np
        import pandas as pd

        import matplotlib.pyplot as plt
        import seaborn as sns
```

```
In [9]: df=pd.read_csv("A:/Web scrapping/Csv file/evscooters11.csv")
        df.head()
```

Out[9]:

	Model	Motortype	claimed range (km/charge)	Battery capacity (kWh)	charging time	Top speed	Price
0	Okaya Faast	BLDC	150 km/charge	4.4 kWh	5.5 hours	70 kmph	Rs. 109000
1	PURE EV ETrance\tNeo	BLDC	105 km/charge	2.5 KWh	4 hours	60 kmph	Rs. 87999
2	Okaya ClassIQ	BLDC	67.5 km/charge	1.4 kWh	5.5hours	25 kmph	Rs. 74499
3	Okaya Freedum	BLDC	72.5 km/charge	1.4 kWh	5.5 hours	25 kmph	Rs. 74900
4	Techo Electra Saathi	BLDC	80 km/charge	1.056 kwh	3 Hrs	25 kmph	Rs. 62738

```
In [18]: ev=df.drop(['claimed range (km/charge)','Battery capacity (kWh)','charging time','Top speed','kmph','kwh','hours','rs','2','3'],a
         ev.head()
```

Out[18]:

	Model	Motortype	Price	Top speed [kmph]	Battery capacity [kwh]	Range [kmph]	charging time [hours]
0	Okaya Faast	BLDC	109000	70	4.4	150	5.5
1	PURE EV ETrance\tNeo	BLDC	87999	60	2.5	105	4
2	Okaya ClassIQ	BLDC	74499	25	1.4	67.5	5.5hours
3	Okaya Freedum	BLDC	74900	25	1.4	72.5	5.5
4	Techo Electra Saathi	BLDC	62738	25	1.056	80	3

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```
In [10]: df['Motortype'].replace(to_replace=['Bosch BLDC','Brushless Hub Motor'],value='BLDC',inplace=True)

In [11]: df[['Top speed [kmph]','kmph']]=df['Top speed'].str.split(" ",n=1,expand=True)

In [12]: df[['Battery capacity [kwh]','kwh']]=df['Battery capacity (kWh)'].str.split(" ",n=1,expand=True)

In [13]: df[['Range [kmph]','kmph']]=df['claimed range (km/charge)'].str.split(" ",n=1,expand=True)

In [14]: df[['charging time [hours]','hours']]=df['charging time'].str.split(' ',expand=True)

In [15]: df[['rs','Price','2','3']]=df['Price'].str.split(" ",expand=True)

In [16]: df.columns

Out[16]: Index(['Model', 'Motortype', 'claimed range (km/charge)',
       'Battery capacity (kWh)', 'charging time', 'Top speed', 'Price',
       'Top speed [kmph]', 'kmph', 'Battery capacity [kwh]', 'kwh',
       'Range [kmph]', 'charging time [hours]', 'hours', 'rs', '2', '3'],
      dtype='object')
```

```
In [19]: ev.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 49 entries, 0 to 48
Data columns (total 7 columns):
 #   Column                 Non-Null Count  Dtype
---  ------                 --------------  -----
 0   Model                  49 non-null     object
 1   Motortype              49 non-null     object
 2   Price                  49 non-null     object
 3   Top speed [kmph]       48 non-null     object
 4   Battery capacity [kwh] 48 non-null     object
 5   Range [kmph]           49 non-null     object
 6   charging time [hours]  49 non-null     object
dtypes: object(7)
memory usage: 2.8+ KB
```

```
In [20]: ev['charging time [hours]']=ev['charging time [hours]'].replace(to_replace='5.5hours',value='5.5')
```

```
In [33]: ev1.describe()
```

Out[33]:

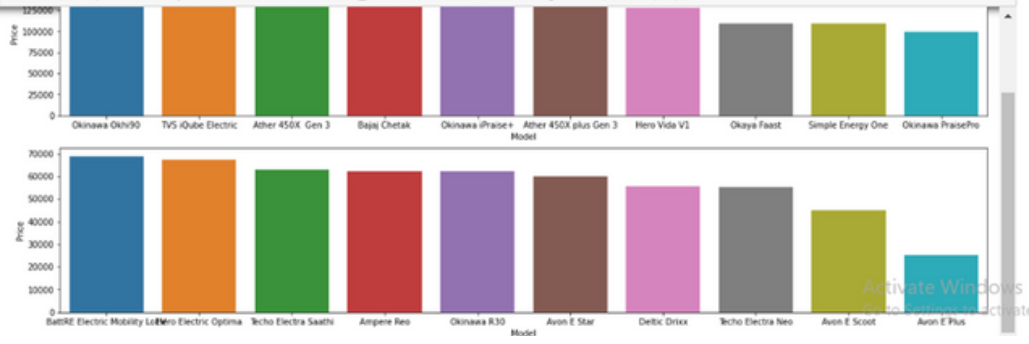
	Price	Top speed [kmph]	Battery capacity [kwh]	Range [kmph]	charging time [hours]
count	47.000000	47.000000	47.000000	47.000000	47.000000
mean	86309.765957	44.404255	2.050660	90.787234	4.181915
std	31850.872960	22.469941	0.948845	33.610904	1.608518
min	25000.000000	24.000000	0.588000	50.000000	1.050000
25%	69841.500000	25.000000	1.380000	68.750000	3.125000
50%	77400.000000	40.000000	1.750000	84.000000	4.000000
75%	87195.000000	59.000000	2.500000	103.000000	5.400000
max	186000.000000	105.000000	4.800000	236.000000	9.000000

Top 10 & Bottom 10 price

```
In [28]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='Price',data=ev1.sort_values('Price',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='Price',data=ev1.sort_values('Price',ascending=False).tail(10))
```



Inference:

okinawa okhi90 has max price

Avon E plus has Lowest price

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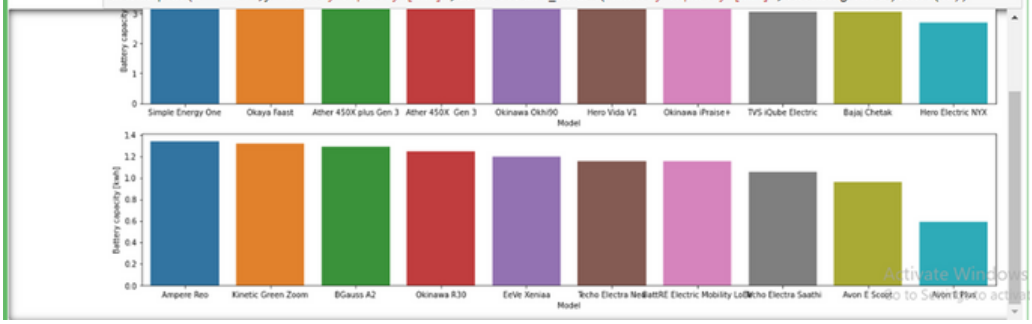
Top 10 & Bottom 10 Battery capacity

```
In [29]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='Battery capacity [kwh]',data=ev1.sort_values('Battery capacity [kwh]',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='Battery capacity [kwh]',data=ev1.sort_values('Battery capacity [kwh]',ascending=False).tail(10))
```



Inference

Simple Energy One has max Battery capacity

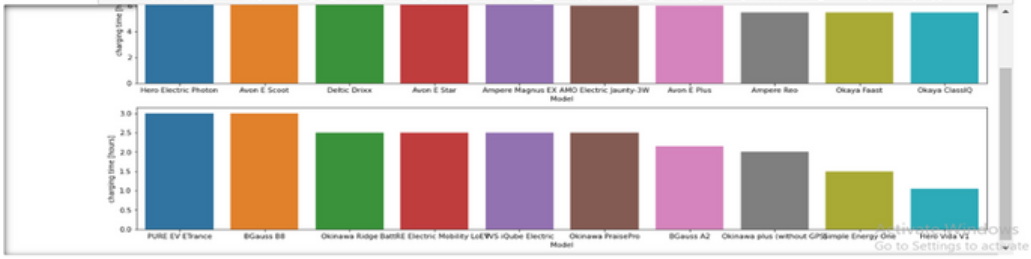
Avon E Plus has lowest Battery capacity

Top 10 & Bottom 10 Charging Time (Hours)

```
In [31]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='charging time [hours]',data=ev1.sort_values('charging time [hours]',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='charging time [hours]',data=ev1.sort_values('charging time [hours]',ascending=False).tail(10))
```



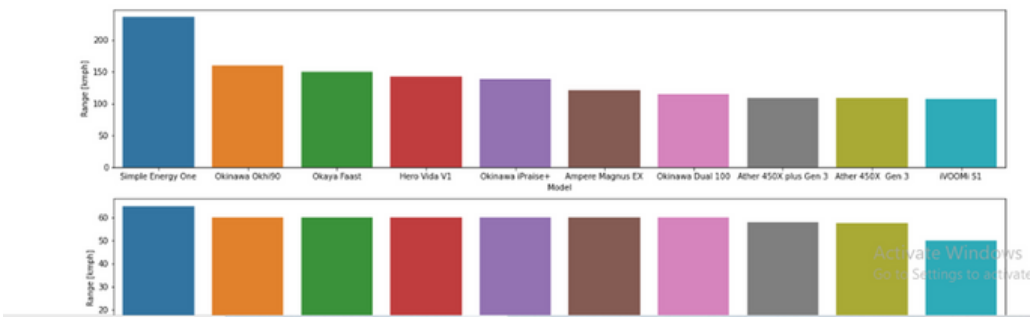
Top 10 & Bottom 10 Range[km/charge]

```
In [30]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='Range [kmph]',data=ev1.sort_values('Range [kmph]',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='Range [kmph]',data=ev1.sort_values('Range [kmph]',ascending=False).tail(10))

Out[30]: <AxesSubplot:xlabel='Model', ylabel='Range [kmph]'>
```



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Inference

Simple Energy One has max Range

Avon E Plus has lowest Range

2) Ev bikes dataset

```
In [4]: import numpy as np
        import pandas as pd


        import matplotlib.pyplot as plt
        import seaborn as sns
```

```
In [6]: df=pd.read_excel('A:/Web scrapping/Csv file/ev bikes list.xlsx')
        df.head()
```

Out[6]:

	Model	Motor power (watts)	charging time [Hrs]	motor type	claimed range (km/charge)	Battery capacity (kwh)	Top speed(kmph)	EX-Price
0	Ultraviolette f77 std	27000	5.0	Permanent Magnet AC Motor	206	7.10	140	380000
1	Ultraviolette f77 recon	29000	5.0	Permanent Magnet AC Motor	307	10.30	147	455000
2	Ultraviolette f77 limited	32000	5.0	Permanent Magnet AC Motor	307	10.30	152	550000
3	Revolt RV 400	3000	4.5	Mid Drive	150	3.24	85	142937
4	Tork Kratos STD	7500	4.5	Permanent Magnet AC Motor	180	4.00	100	132000


```
In [9]: df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 27 entries, 0 to 26
Data columns (total 8 columns):
 #   Column                    Non-Null Count  Dtype
---  ------                    --------------  -----
 0   Model                     27 non-null     object
 1   Motor power (watts)       27 non-null     int64
 2   charging time [Hrs]       27 non-null     float64
 3   motor type                27 non-null     object
 4   claimed range (km/charge) 27 non-null     int64
 5   Battery capacity (kwh)    27 non-null     float64
 6   Top speed(kmph)           27 non-null     int64
 7   EX-Price                  27 non-null     int64
dtypes: float64(2), int64(4), object(2)
memory usage: 1.8+ KB
```

```
In [10]: df.describe()
```

Out[10]:

	Motor power (watts)	charging time [Hrs]	claimed range (km/charge)	Battery capacity (kwh)	Top speed(kmph)	EX-Price
count	27.000000	27.000000	27.000000	27.000000	27.000000	27.000000
mean	7340.740741	4.885185	149.851852	4.412593	98.518519	189062.111111
std	8389.462679	1.643332	62.206049	2.146252	29.798516	111806.675253
min	250.000000	2.000000	70.000000	1.248000	25.000000	75000.000000
25%	3250.000000	4.000000	102.500000	3.370000	87.500000	127500.000000
50%	5000.000000	5.000000	150.000000	4.000000	95.000000	142937.000000
75%	6900.000000	6.000000	180.000000	4.540000	120.000000	205000.000000
max	32000.000000	9.000000	307.000000	10.300000	152.000000	550000.000000

```
In [11]: df.isnull().sum()
```

```
Out[11]: Model                     0
         Motor power (watts)       0
         charging time [Hrs]       0
         motor type                0
         claimed range (km/charge) 0
         Battery capacity (kwh)    0
         Top speed(kmph)           0
         EX-Price                  0
         dtype: int64
```

```
In [12]: df.corr()
```

Out[12]:

	Motor power (watts)	charging time [Hrs]	claimed range (km/charge)	Battery capacity (kwh)	Top speed(kmph)	EX-Price
Motor power (watts)	1.000000	0.047304	0.733937	0.839031	0.684884	0.877489
charging time [Hrs]	0.047304	1.000000	-0.082382	0.242645	0.114129	0.279271
claimed range (km/charge)	0.733937	-0.082382	1.000000	0.812954	0.743338	0.747140
Battery capacity (kwh)	0.839031	0.242645	0.812954	1.000000	0.812381	0.937662
Top speed(kmph)	0.684884	0.114129	0.743338	0.812381	1.000000	0.697221
EX-Price	0.877489	0.279271	0.747140	0.937662	0.697221	1.000000

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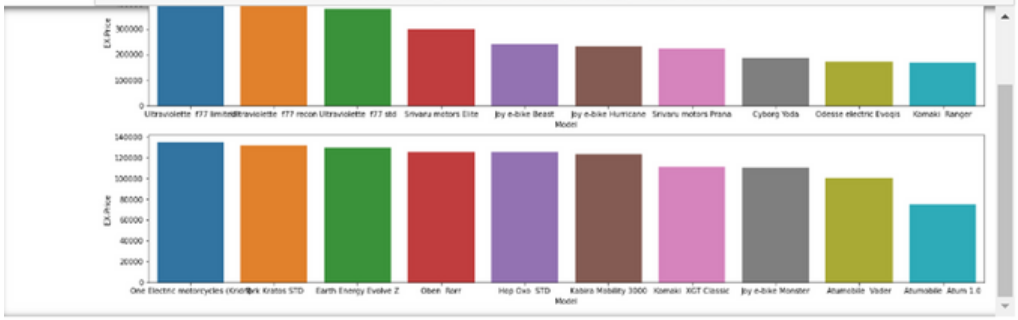
```
In [13]: plt.figure(figsize=(15,5))
         sns.heatmap(df.corr(),annot=True)
```

Out[13]: <AxesSubplot:>

Top 10 & Bottom 10 Price range

```
In [15]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='EX-Price',data=df.sort_values('EX-Price',ascending=False).head(10))
         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='EX-Price',data=df.sort_values('EX-Price',ascending=False).tail(10))
```



Inference

Ultraviolette f77 model has highest price and

Atumobile Atum 1.0 has least price

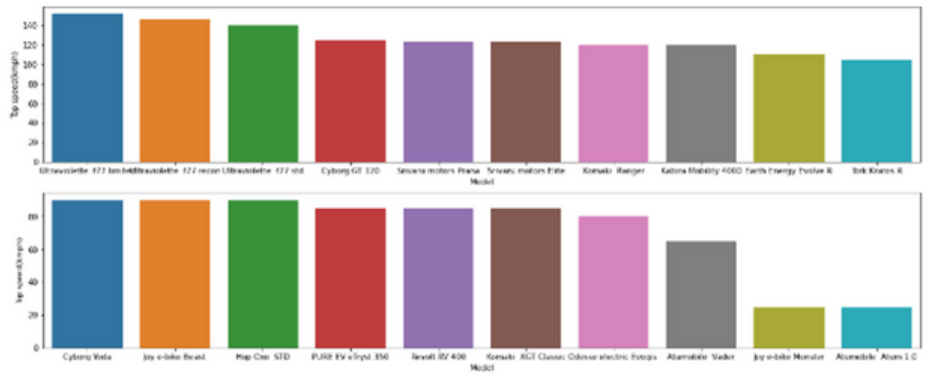
Top 10 & Bottom 10 Top speed [kmph]

```
In [16]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='Top speed(kmph)',data=df.sort_values('Top speed(kmph)',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='Top speed(kmph)',data=df.sort_values('Top speed(kmph)',ascending=False).tail(10))
```

Out[16]: <AxesSubplot:xlabel='Model', ylabel='Top speed(kmph)'>



Inference

Ultraviolette f77 has highest Top speed

Atumobile Autum 1.0 has lowest Top speed

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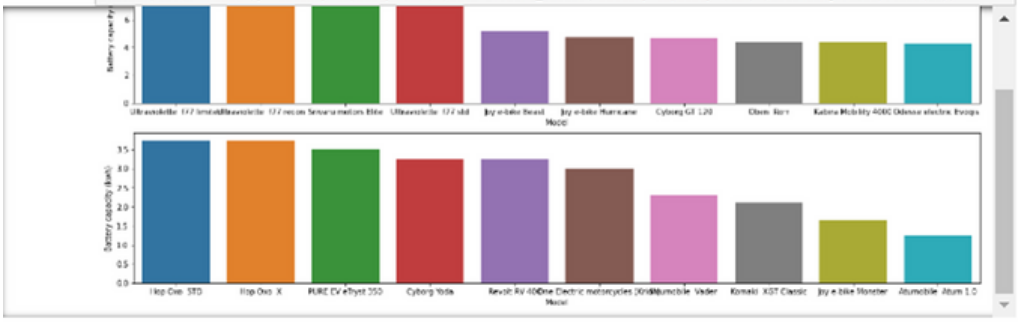
Top 10 & Bottom 10 Battery capacity

```
In [17]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='Battery capacity (kwh)',data=df.sort_values('Battery capacity (kwh)',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='Battery capacity (kwh)',data=df.sort_values('Battery capacity (kwh)',ascending=False).tail(10))
```



Inference

Ultraviolette f77 has having highest battery capacity

Atumobile Atum 1.0 has lowest battery capacity

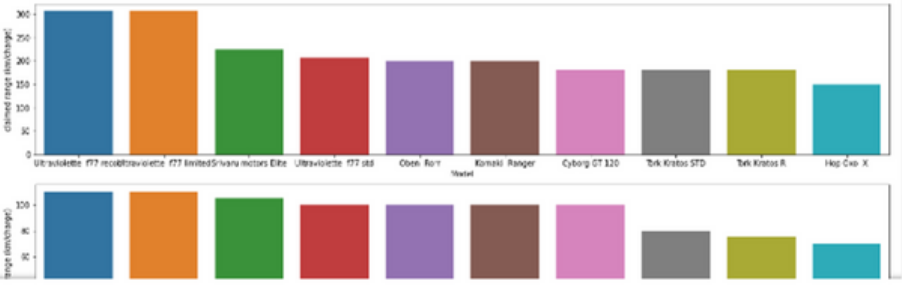
Top 10 & Bottom 10 Range [km/charge]

```
In [18]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='claimed range (km/charge)',data=df.sort_values('claimed range (km/charge)',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='claimed range (km/charge)',data=df.sort_values('claimed range (km/charge)',ascending=False).tail(10))

Out[18]: <AxesSubplot:xlabel='Model', ylabel='claimed range (km/charge)'>
```



Inference

Ultraviolette f77 has highest range

odesse electric Evoqis has lowest range

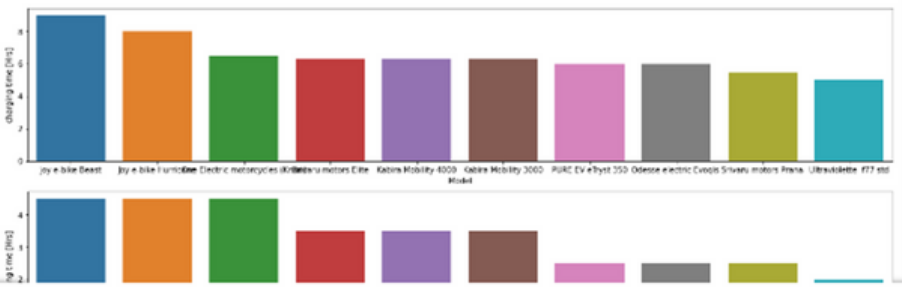
Top 10 & Bottom 10 Charging Time in Hours

```
In [19]: plt.figure(figsize=(20,8))

         plt.subplot(2,1,1)
         sns.barplot(x='Model',y='charging time [Hrs]',data=df.sort_values('charging time [Hrs]',ascending=False).head(10))

         plt.subplot(2,1,2)
         sns.barplot(x='Model',y='charging time [Hrs]',data=df.sort_values('charging time [Hrs]',ascending=False).tail(10))

Out[19]: <AxesSubplot:xlabel='Model', ylabel='charging time [Hrs]'>
```



Inference

Joy e-bike Beast has highest charging Time [HRS]

Oben Rorr has lowest charging Time [HRS]

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Motors Manufacturing companies list

1)EV cycles

Orgainisation Name	vehicle-class	components	sub-components
Aims Rubber Industries	2 Wheelers, 3 Wheelers, 4 Wheeler	Suspension, Plastic Moulding Parts, Other small parts, Accessories, rubber Moulded Components	
Amika Global Energy Pvt Ltd (ChargeMyGaadi)	2 Wheelers, 3 Wheelers, e-Cycle	On board Chargers, External Chargers	
ANVATION LABS PRIVATE LIMITED	2 Wheelers, 3 Wheelers, e-Cycle	Instrument Cluster, Head Units, Driving Assistance Systems, Telematics	
Auto Invents	2 Wheelers, 3 Wheelers, 4 Wheeler	Controllers, Instrument Cl	Brushless DC Motor (BLDC)
Axiom EV Products Pvt Ltd	2 Wheelers, 3 Wheelers, e-Cycle, G	Converters, On board Chargers, External Chargers	
Bacancy Systems	2 Wheelers, 3 Wheelers, 4 Wheeler	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Motors, DC - D
Bacancy Systems	2 Wheelers, 3 Wheelers, 4 Wheeler	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Motors, DC - D
BAJERIA INDUSTRIES	2 Wheelers, 3 Wheelers, 4 Wheeler	Connectors, Electrical Wiring & Wiring Harnesses, Small Electronic Parts (like capacitors, resistors, transformers, magnets etc), copp	
BHARAT MECHATRONICS	2 Wheelers, 3 Wheelers, 4 Wheeler	Connectors, Electrical Wiring & Wiring Harnesses, Plastic Moulding Parts, Other small parts, Accessories, Battery cable with battery t	
Bhilai Conductors Pvt. Ltd.	2 Wheelers, 3 Wheelers, 4 Wheeler	Enamelled Copper Round Wires	
Bhilai Conductors Pvt. Ltd.	2 Wheelers, 3 Wheelers, 4 Wheeler	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Motors, Switch
Bralco Advanced Materials Pte Ltd	2 Wheelers, 3 Wheelers, 4 Wheeler	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Motors, Switch
C&S Electric Ltd.	2 Wheelers, 3 Wheelers, 4 Wheeler	Converters, On board Chargers, Sensor Relays & Control Units	
CG POWER AND INDUSTRIAL SOLUTIONS LTD	2 Wheelers, 3 Wheelers, e-Cycle, e	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Motors
Charismatic ELectronics	2 Wheelers, 3 Wheelers, 4 Wheeler	Small Electronic Parts (like capacitors, resistors, transformers, magnets etc)	
Crysta Electricals Private Limited	2 Wheelers, 3 Wheelers, 4 Wheeler	Electrical Wiring & Wiring Harnesses, Charging cables	
DreamHatcher Studio	2 Wheelers, 3 Wheelers, e-Cycle, e	Exterior and Interior Body Design (CAD Modeling)	
E FAN	2 Wheelers, e-Cycle, Special Purpo	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), DC - DC Convertor
GK winding Wires Ltd	2 Wheelers, 3 Wheelers, 4 Wheeler	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Motors, Switch
Heatech Engineers	2 Wheelers, 3 Wheelers, 4 Wheeler	Nuts & Bolts, Connectors, Steering System Parts, Braking System Parts, Other small parts	
Hella eMobionics Private Limited	2 Wheelers, 3 Wheelers, e-Cycle, e	Motors, Controllers, Conv	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), DC - DC Convertor

2-wheelers

Organisation Name	vehicle-class	Components	Sub-components
Aims Rubber Industries	2 Wheelers, 3 Wheelers,	Suspension, Plastic Moulding Parts, Other small parts, Accessories, rubber Moulded Components	
Amika Global Energy Pvt Ltd (ChargeMyGaadi)	2 Wheelers, 3 Wheelers,	On board Chargers, External Chargers	
ANVATION LABS PRIVATE LIMITED	2 Wheelers, 3 Wheelers,	Instrument Cluster, Head Units, Driving Assistance Systems, Telematics	
AUTO DIE CAST (INDIA)	2 Wheelers, 3 Wheelers,	Suspension, Motor Housings, Braking System Parts, CBS Drum Brakes, Wheel Rims (Aluminum Alloy, Steel, Spoke Type), Handle T	
Auto Invents	2 Wheelers, 3 Wheelers,	Controllers, Instrument Cluster, Telematics, Sr	Brushless DC Motor (BLDC)
Axiom EV Products Pvt Ltd	2 Wheelers, 3 Wheelers,	Converters, On board Chargers, External Chargers	
Bacancy Software	2 Wheelers, 3 Wheelers	Controllers	DC - DC Convertor
Bacancy Systems	2 Wheelers, 3 Wheelers,	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC In
Bacancy Systems	2 Wheelers, 3 Wheelers,	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC In
BAJERIA INDUSTRIES	2 Wheelers, 3 Wheelers,	Connectors, Electrical Wiring & Wiring Harnesses, Small Electronic Parts (like capacitors, resistors, transformers, magnets etc), cop	
BHARAT MECHATRONICS	2 Wheelers, 3 Wheelers,	Connectors, Electrical Wiring & Wiring Harnesses, Plastic Moulding Parts, Other small parts, Accessories, Battery cable with batter	
Bhilai Conductors Pvt. Ltd.	2 Wheelers, 3 Wheelers,	Enamelled Copper Round Wires	
Bhilai Conductors Pvt. Ltd.	2 Wheelers, 3 Wheelers,	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC In
Bralco Advanced Materials Pte Ltd	2 Wheelers, 3 Wheelers,	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC In
C&S Electric Ltd.	2 Wheelers, 3 Wheelers,	Converters, On board Chargers, Sensor Relays & Control Units	
CG POWER AND INDUSTRIAL SOLUTIONS LTD	2 Wheelers, 3 Wheelers,	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC In
Charismatic ELectronics	2 Wheelers, 3 Wheelers,	Small Electronic Parts (like capacitors, resistors, transformers, magnets etc)	
Comstar Automotive Technologies Pvt. Ltd.	2 Wheelers, 3 Wheelers,	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), DC - D
Crysta Electricals Private Limited	2 Wheelers, 3 Wheelers,	Electrical Wiring & Wiring Harnesses, Charging cables	
Digital Shark Technology Pvt. Ltd.	2 Wheelers, 3 Wheelers,	Controllers, Instrument Cluster, Driving Assist	DC - DC Convertor, DC - AC Convertor
DreamHatcher Studio	2 Wheelers, 3 Wheelers,	Exterior and Interior Body Design (CAD Modeling)	

3-wheelers

Organisation name	vehicle-class	components	sub-components
Aims Rubber Industries	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Suspension, Plastic Mc	
Amika Global Energy Pvt Ltd (ChargeMyGa	2 Wheelers, 3 Wheelers, e-Cycle	On board Chargers, Ex	
ANVATION LABS PRIVATE LIMITED	2 Wheelers, 3 Wheelers, e-Cycle	Instrument Cluster, He	
AUTO DIE CAST (INDIA)	2 Wheelers, 3 Wheelers, Special Purpose	Suspension, Motor Ho	
Auto Invents	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Controllers, Instrumen	Brushless DC Motor (BLDC)
Axiom EV Products Pvt Ltd	2 Wheelers, 3 Wheelers, e-Cycle, Golf Ca	Converters, On board	
Bacancy Software	2 Wheelers, 3 Wheelers	Controllers	DC - DC Convertor
Bacancy Systems	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Mot
Bacancy Systems	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Mot
BAJERIA INDUSTRIES	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Connectors, Electrical	
BHARAT MECHATRONICS	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Connectors, Electrical	
Bhilai Conductors Pvt. Ltd.	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Enamelled Copper Rou	
Bhilai Conductors Pvt. Ltd.	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Mot
Bralco Advanced Materials Pte Ltd	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Motors	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Mot
C&S Electric Ltd.	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Converters, On board	
CG POWER AND INDUSTRIAL SOLUTIONS L	2 Wheelers, 3 Wheelers, e-Cycle, e-Tract	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), AC Induction Mot
Charismatic ELectronics	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Small Electronic Parts	
Comstar Automotive Technologies Pvt. Ltd	2 Wheelers, 3 Wheelers, 4 Wheelers	Motors, Controllers	Brushless DC Motor (BLDC), Permanent Magnet Synchronous Motor (PMSM), DC - DC Converto
Crysta Electricals Private Limited	2 Wheelers, 3 Wheelers, 4 Wheelers, e-C	Electrical Wiring & Wi	
Digital Shark Technology Pvt. Ltd.	2 Wheelers, 3 Wheelers, 4 Wheelers, e-Tr	Controllers, Instrumen	DC - DC Convertor, DC - AC Convertor

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Battery management system Manufacturing companies list

EV Cycles

Organisation Name	vehicle-class	offering	battery-type	bms-type	Areas Served
Birds India Corporation	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Lead Acid, Li Ion (LFP)	Smart BMS	All States
Carl Zeiss India (Bangalore) Pvt Ltd	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	Hardware BMS	Karnataka
D Wellnesss	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	PCM (No Cell Balancir	All States
Healthway Medical	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	Hardware BMS, Smart	All States
MOBILUS ENERGIES	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	Hardware BMS, Smart	Gujarat
Navshakti lithium pvt limited	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	Smart BMS	All States
NICHE VENTURES LLC	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (NMC)	Smart BMS	All States
PASTICHE ENERGY SOLUTIONS	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	Hardware BMS, Smart	All States
S S Energy Systems	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	PCM (No Cell Balancir	All States
SAURYA URJA TECHNOLOGY	2 Wheeler, 3 Wheeler,	Battery Pack Manuf	Li Ion (LFP), Li Ion (NA	PCM (No Cell Balancir	All States

2-wheelers

Organisation Name	Vehicle-class	Offering	Battery Type	BMS Type
AS Tech	2 Wheeler, 3 Wheeler	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	PCM (No Cell Balancing), Hardware
Birds India Corporation	2 Wheeler, 3 Wheeler, e-Cycle, Gc	Battery Pack Manufacturing, Batten	Lead Acid, Li Ion (LFP), Li Ion (NMC)	Smart BMS
Carl Zeiss India (Bangalore) Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler,	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	Hardware BMS
D Wellnesss	2 Wheeler, 3 Wheeler, e-Cycle, M	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC)	PCM (No Cell Balancing), Hardware
Healthway Medical	2 Wheeler, 3 Wheeler, 4 Wheeler,	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	Hardware BMS, Smart BMS
MOBILUS ENERGIES	2 Wheeler, 3 Wheeler, e-Cycle, Gc	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC)	Hardware BMS, Smart BMS
Navshakti lithium pvt limited	2 Wheeler, 3 Wheeler, e-Cycle, e-	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC)	Smart BMS
NICHE VENTURES LLC	2 Wheeler, 3 Wheeler, 4 Wheeler,	Battery Pack Manufacturing, Batten	Li Ion (NMC)	Smart BMS
PASTICHE ENERGY SOLUTIONS	2 Wheeler, 3 Wheeler, 4 Wheeler,	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	Hardware BMS, Smart BMS, Custom
S S Energy Systems	2 Wheeler, 3 Wheeler, e-Cycle, Gc	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others), Primary batter	PCM (No Cell Balancing), Hardware
SAURYA URJA TECHNOLOGY	2 Wheeler, 3 Wheeler, 4 Wheeler,	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	PCM (No Cell Balancing), Hardware
Yati infotech Solution Private Limited	2 Wheeler	Battery Pack Manufacturing, Batten	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	

3-wheelers

Organisation Name	Vehicle class	Offering	Battery Type	BMS Type	Areas served
AS TECH	2 Wheeler, 3 Wheeler	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	PCM (No Cell Balancing), Harc	All States
Birds India Corporation	2 Wheeler, 3 Wheeler, e-Cycle, Golf	Battery Pack Manufacturing, Battery M	Lead Acid, Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States
Carl Zeiss India (Bangalore) Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler, e-	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	Hardware BMS	Karnataka
D Wellnesss	2 Wheeler, 3 Wheeler, e-Cycle, Medi	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC)	PCM (No Cell Balancing), Harc	All States
Healthway Medical	2 Wheeler, 3 Wheeler, 4 Wheeler, e-	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	Hardware BMS, Smart BMS	All States
MOBILUS ENERGIES	2 Wheeler, 3 Wheeler, e-Cycle, Golf	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC)	Hardware BMS, Smart BMS	Gujarat
Navshakti lithium pvt limited	2 Wheeler, 3 Wheeler, e-Cycle, e-Tra	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States
NICHE VENTURES LLC	2 Wheeler, 3 Wheeler, 4 Wheeler, e-	Battery Pack Manufacturing, Battery M	Li Ion (NMC)	Smart BMS	All States
PASTICHE ENERGY SOLUTIONS	2 Wheeler, 3 Wheeler, 4 Wheeler, e-	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	Hardware BMS, Smart BMS, C	All States
S S Energy Systems	2 Wheeler, 3 Wheeler, e-Cycle, Golf	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC), Li Ion (Others),	PCM (No Cell Balancing), Harc	All States
SAURYA URJA TECHNOLOGY	2 Wheeler, 3 Wheeler, 4 Wheeler, e-	Battery Pack Manufacturing, Battery M	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)	PCM (No Cell Balancing), Harc	All States

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Battery pack manufacturing

EV cycles

Organisation Name	Vehicle Class	Offering	Battery Type	BMS Type	Areas Served
Apex Comnet Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC)		All States
Birds India Corporation	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Lead Acid, Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States
Carl Zeiss India (Bangalore) Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Othe	Hardware BMS	Karnataka
D Wellnesss	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC)	PCM (No Cell Balancing	All States
E-Vega Mobility Labs	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Gujarat
Ev Retron Energies	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Telangana
Global Marketing Services	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others), Sodium Ion		All States
Healthway Medical	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Othe	Hardware BMS, Smart	All States
JLN phenix Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Bihar, Jharkhand, West Bengal
LAURUS BATTERIES POWER SYSTEM	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Lead Acid, Li Ion (LFP), Li Ion (NMC)		Maharashtra
MOBILUS ENERGIES	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC)	Hardware BMS, Smart	Gujarat
Natural Battery Technologies LLP	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		All States
Navshakti lithium pvt limited	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States
NICHE VENTURES LLC	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (NMC)	Smart BMS	All States
PASTICHE ENERGY SOLUTIONS	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Othe	Hardware BMS, Smart	All States
ROSHAN ENERGY TECHNOLOGIES P	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP)		All States
S S Energy Systems	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Othe	PCM (No Cell Balancing	All States
Sainik Industries Private Limited	2 Wheeler, 3 Wheeler, e-Cycl	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Uttar Pradesh
SAURYA URJA TECHNOLOGY	2 Wheeler, 3 Wheeler, 4 Whe	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Othe	PCM (No Cell Balancing	All States

2-wheelers

Organisation Name	Vehicle Class	Offering	Battery Type	BMS	Area Served
Aarjay International Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler	Battery Pack Manufacturing, Battery	Lead Acid, Li Ion (LFP), Li Ion (NMC),	Li Ion (Others), Sodium Ion, N	Karnataka
Apex Comnet Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle,	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC)		All States
AS Tech	2 Wheeler, 3 Wheeler	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC), Li Ion (Oth	PCM (No Cell Balancing), Hard	All States
Birds India Corporation	2 Wheeler, 3 Wheeler, e-Cycle, Golf Cart, Fc	Battery Pack Manufacturing, Battery	Lead Acid, Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States
Carl Zeiss India (Bangalore) Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle,	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC), Li Ion (Oth	Hardware BMS	Karnataka
Cellark Powertech Private Limited	2 Wheeler, 3 Wheeler	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC)		Orissa
CYGNI ENERGY PRIVATE LIMITED	2 Wheeler, 3 Wheeler	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC)		All States
D Wellnesss	2 Wheeler, 3 Wheeler, e-Cycle, Medical Equ	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC)	PCM (No Cell Balancing), Hard	All States
Devise Electronics Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Tractor	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Maharashtra
E-Vega Mobility Labs	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle,	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Gujarat
Ev Retron Energies	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Telangana
Global Marketing Services	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle,	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others), Sodium Ion		All States
Healthway Medical	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle,	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC), Li Ion (Oth	Hardware BMS, Smart BMS	All States
Indigrid Technology Pvt. Ltd.	2 Wheeler, 3 Wheeler	Battery Pack Manufacturing	Li Ion (Others)		All States
JLN phenix Pvt Ltd	2 Wheeler, 3 Wheeler, 4 Wheeler, e-Cycle,	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		Bihar, Jharkhand, Wes
LAURUS BATTERIES POWER SYSTEMS PVT LTD	2 Wheeler, 3 Wheeler, e-Cycle, e-Tractor, e-	Battery Pack Manufacturing	Lead Acid, Li Ion (LFP), Li Ion (NMC)		Maharashtra
LOOM SOLAR PVT LTD	2 Wheeler	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (Others)		Haryana
MOBILUS ENERGIES	2 Wheeler, 3 Wheeler, e-Cycle, Golf Cart	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC)	Hardware BMS, Smart BMS	Gujarat
Natural Battery Technologies LLP	2 Wheeler, 3 Wheeler, e-Cycle, Golf Cart	Battery Pack Manufacturing	Li Ion (LFP), Li Ion (NMC), Li Ion (Others)		All States
Navshakti lithium pvt limited	2 Wheeler, 3 Wheeler, e-Cycle, e-Tractor, G	Battery Pack Manufacturing, Battery	Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States

3-wheelers

Organsation Name	Vehicle Class	Offering	Battery Type	BMS Type	Areas Served
Aarjay International Pvt Ltd	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Lead Acid, Li Ion (LFP), Li Ion (NMC), Li Ion (Others), Sodium Ion, Ni		Karnataka
Apex Comnet Pvt Ltd	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC)		All States
AS Tech	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	PCM (No Cell Balancing), Hardware BM	All States
Birds India Corporation	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Lead Acid, Li Ion (LFP), Li Ior	Smart BMS	All States
Carl Zeiss India (Bangalore) Pvt Ltd	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Hardware BMS	Karnataka
Cellark Powertech Private Limited	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC)		Orissa
CYGNI ENERGY PRIVATE LIMITED	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC)		All States
D Wellnesss	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC)	PCM (No Cell Balancing), Hardware BM	All States
Devise Electronics Pvt Ltd	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Ion (Others)	Maharashtra
E-Vega Mobility Labs	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Ion (Others)	Gujarat
Ev Retron Energies	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Ion (Others)	Telangana
Global Marketing Services	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Ion (Others), Sodium Ion	All States
Healthway Medical	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Hardware BMS, Smart BMS	All States
Indigrid Technology Pvt. Ltd.	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (Others)		All States
JLN phenix Pvt Ltd	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Ion (Others)	Bihar, Jharkhand, West Bengal
LAURUS BATTERIES POWER SYSTEMS PVT LTD	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Lead Acid, Li Ion (LFP), Li	Ion (NMC)	Maharashtra
MOBILUS ENERGIES	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC)	Hardware BMS, Smart BMS	Gujarat
Natural Battery Technologies LLP	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Ion (Others)	All States
Navshakti lithium pvt limited	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC)	Smart BMS	All States
NICHE VENTURES LLC	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (NMC)	Smart BMS	All States
PASTICHE ENERGY SOLUTIONS	2 Wheeler, 3 Wheele	Battery Pack Manufacturin	Li Ion (LFP), Li Ion (NMC), Li	Hardware BMS, Smart BMS, Customise	All States

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CONCLUSION

This report reviews the process of gathering data, preparing it, and extracting insights from it from beginning to conclusion. The pattern that is discovered via visualizations gives the firm a pointer as to what should and should not be done. With that hidden pattern, the firm may achieve some new levels of business growth and stay on the right trajectory in the market.

GIT HUB LINK

https://github.com/Parthiban1408/SET-INTRENSHIP-REPORT

https://github.com/Deepakprasad98/Intern-repository

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