

VISUALIZATION TOOL FOR ELECTRIC VEHICLE CHARGE AND RANGE ANALYSIS

PROJECT FLOW

➤ Data collection and extraction from database

- Collect the dataset
- Connect dataset tableau

➤ Data visualizations

- No of unique visualization

➤ Dashboard

- Dashboard 1
- Dashboard 2

➤ Story

- Web integration

1)DATA COLLECTION AND EXTRACTION FROM THE DATABASH

i. Collect the dataset

Please use the link to download the dataset:

<https://www.kaggle.com/datasets/geoffnel/evs-one-electric-vehicle-dataset>

ii. Connect the dataset to tableau

Check the below link to connect the dataset to tableau

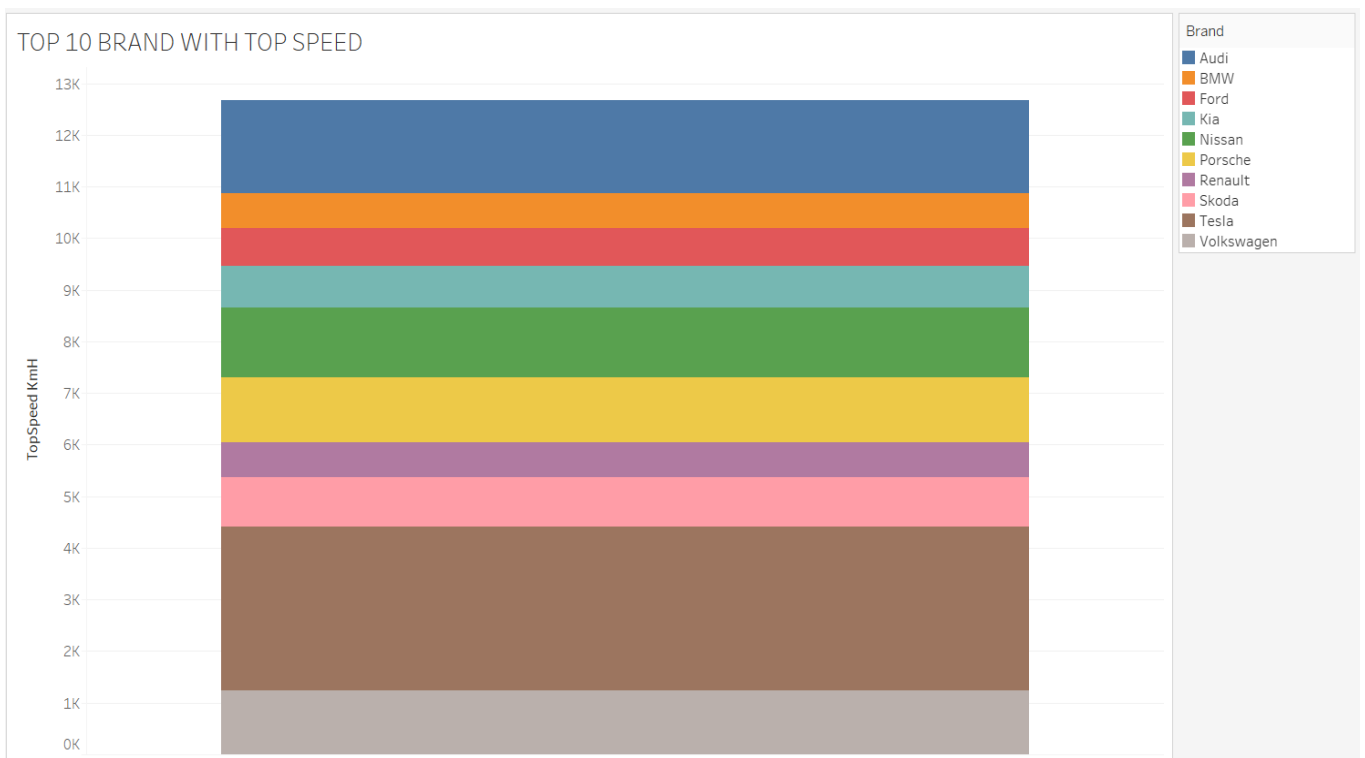
LINK:

<https://drive.google.com/file/d/12yja5yMDJQqOdK0uZIA4ZZbMj6V-H2s/view?usp=drivesdk>

1)DATA VISUALIZATION

i) No of unique visualizations

✓ **Top 10 Brand Accel Sec And Top Speed**

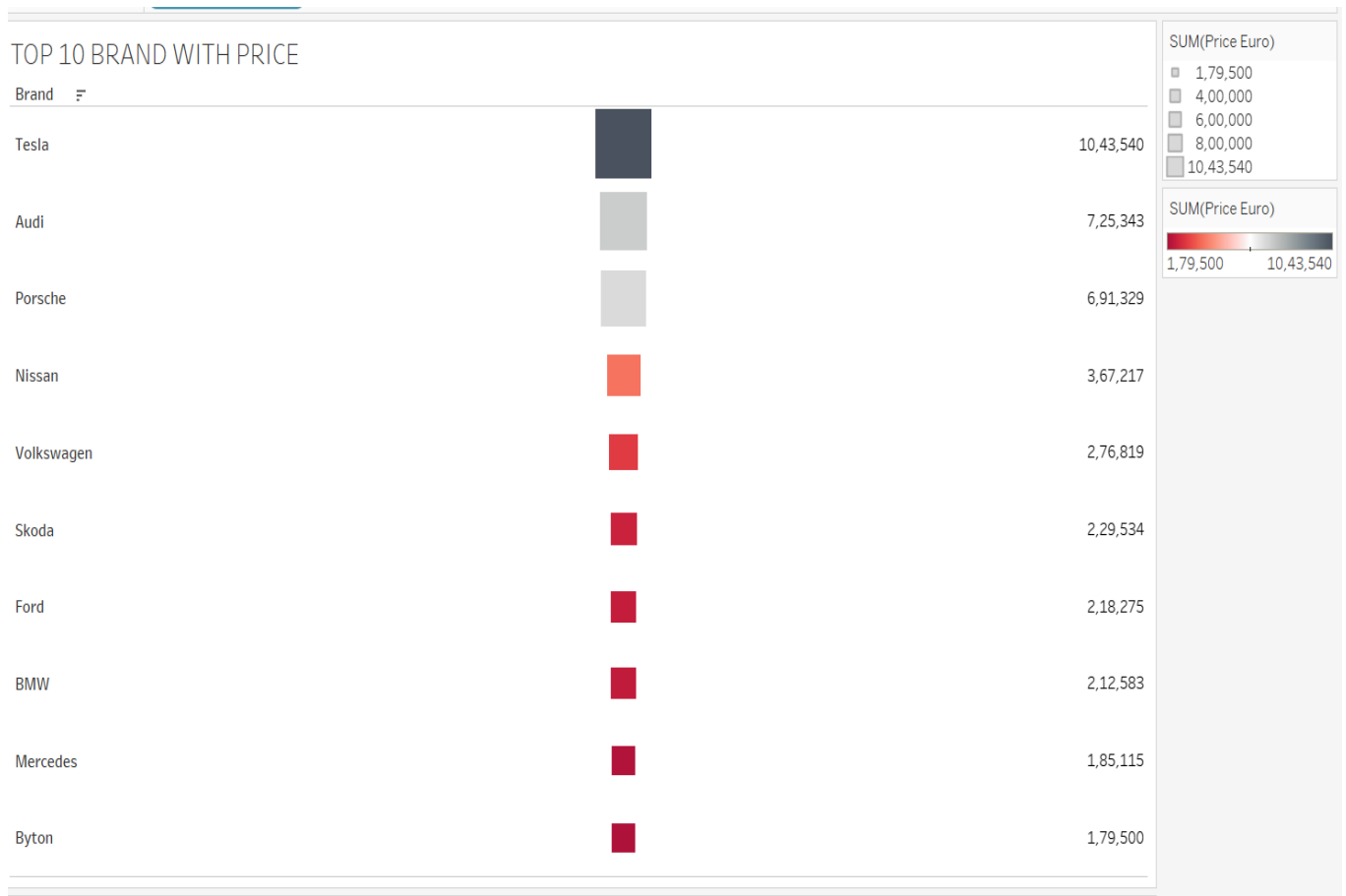


Sum of Top Speed Km/H. Colour shows details about Brand.
The view is filtered on Brand, which keeps 10 of 33 members.

Link:

<https://drive.google.com/file/d/1sEVj7MhstLZ9g9TvVop9H1Y09Xd4akkT/view?usp=drivesdk>

✓ Top 10 Brand Price

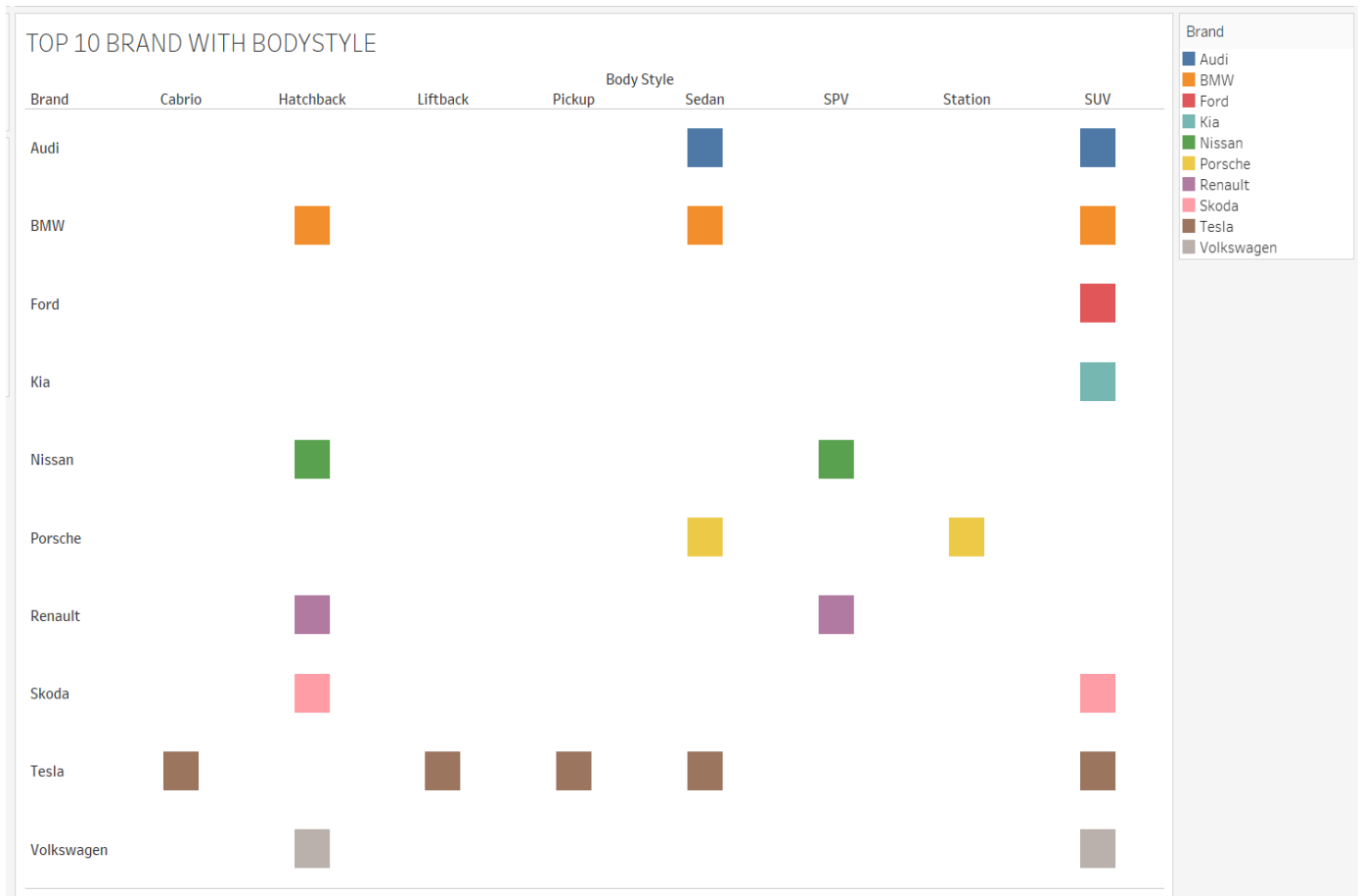


Sum of Price Euro (colour) and sum of Price Euro (size) broken down by Brand. The view is filtered on Brand, which keeps 10 of 33 members.

LINK:

https://drive.google.com/file/d/1sJqfO9Qh6fMeUvIbfluQOBrYTAb6c0_s/view?usp=drivesdk

✓ Top 10 Brand Body Style

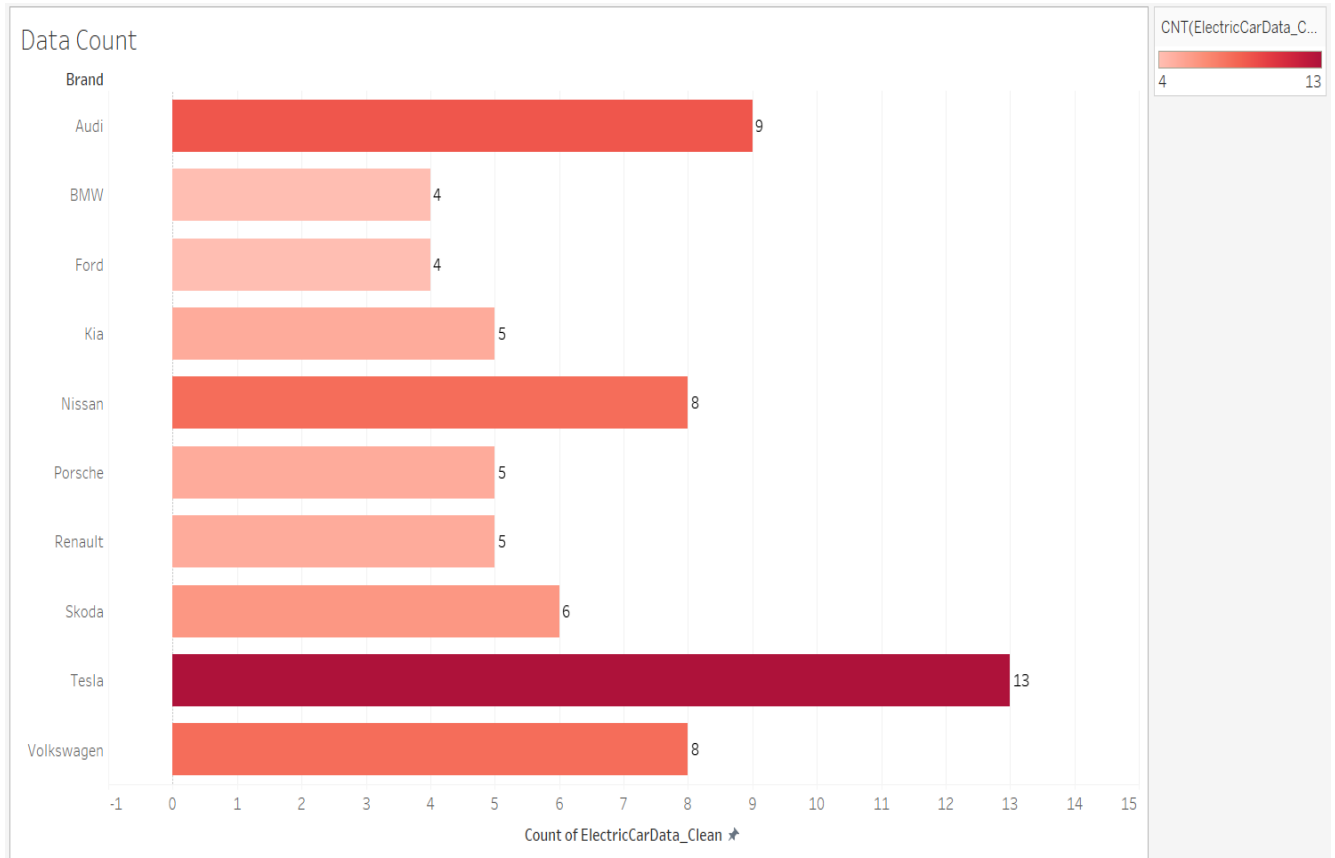


Brand (colour) broken down by Body Style vs. Brand. The view is filtered on Brand and Body Style. The Brand filter keeps 10 of 33 members. The Body Style filter excludes MPV.

LINK:

<https://drive.google.com/file/d/1sJqfO9Qh6fMeUvIbfluQOBrYTA6c0s/view?usp=drivesdk>

✓ Top 10 Brand Data Count

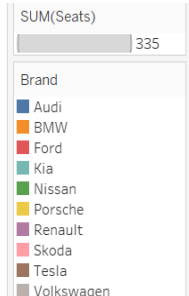
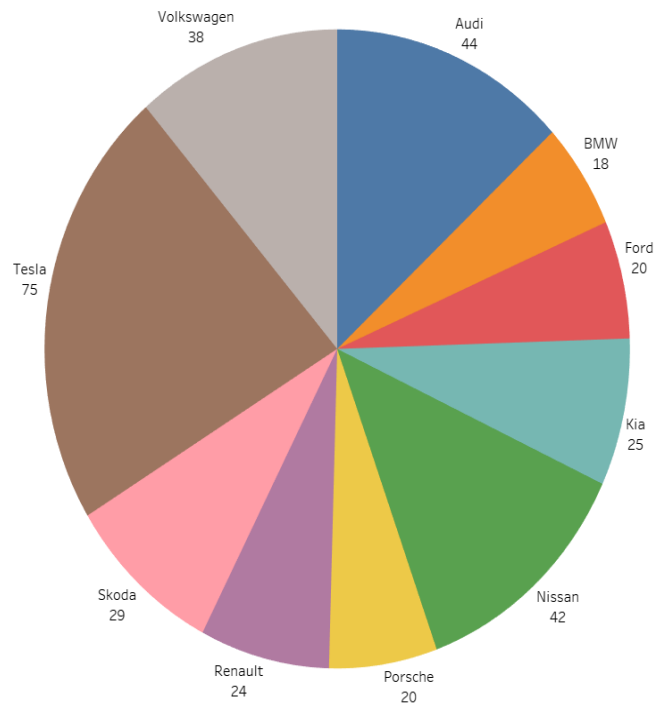


Count of Electric Car Data Clean for each Brand. Colour shows count of Electric Car Data Clean. The view is filtered on Brand, which keeps 10 of 33 members.

LINK: <https://drive.google.com/file/d/1381yhslERXD4Qr2aI5u9sjf6T5pL2noy/view?usp=drivesdk>

✓ Top 10 Brand Sum Of Seat

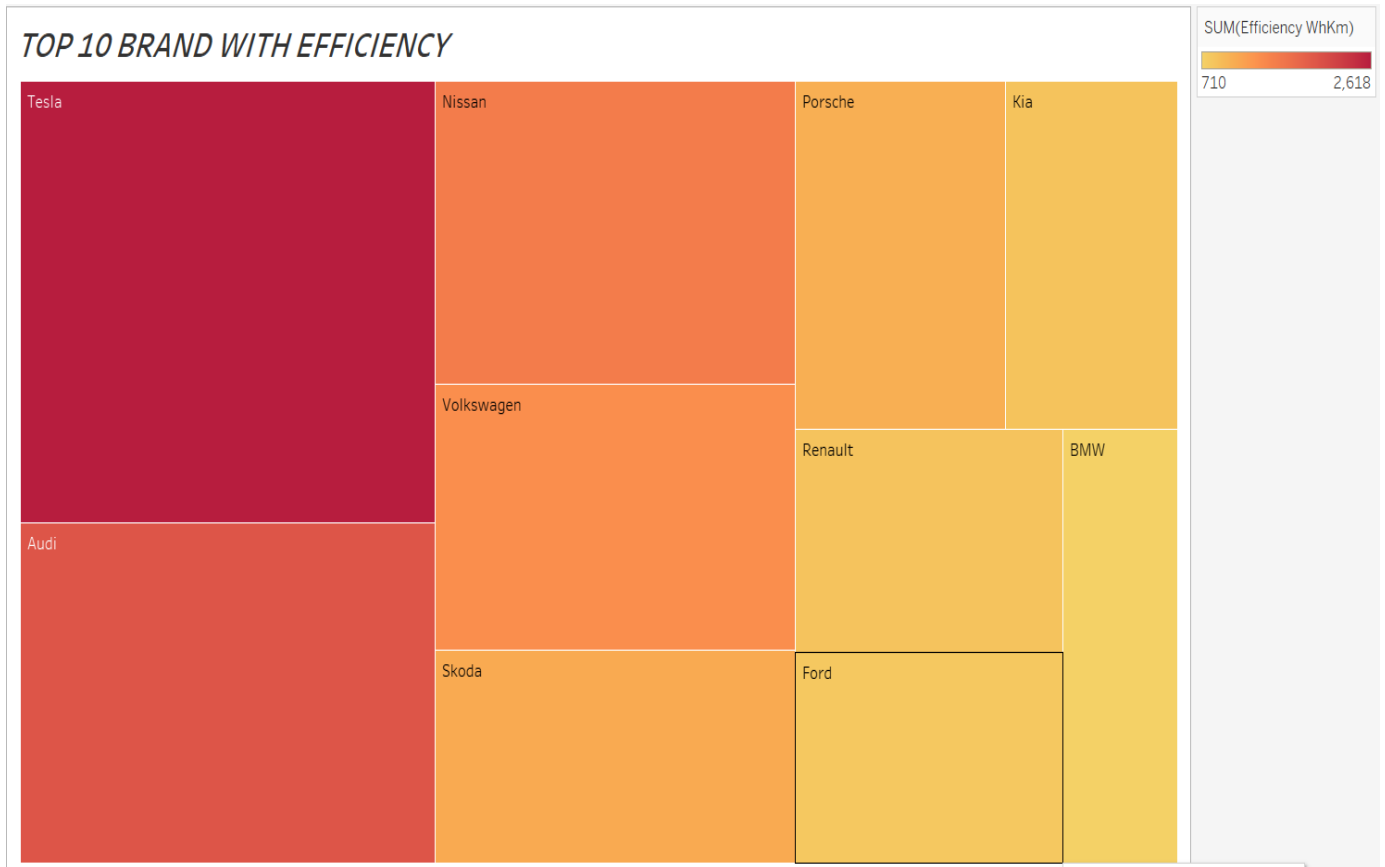
TOP 10 BRANDS WITH SEATS



Brand and sum of Seats. Colour shows details about Brand. Size shows sum of Seats. The marks are label by Brand and sum of Seats. The view is filtered on Brand, which keeps 10 of 33 members.

LINK:<https://drive.google.com/file/d/1381Piob49rc38qBLqoQBzacNEC3yGAQg/view?usp=drivesdk>

✓ Top 10 Brand Range and Efficiency

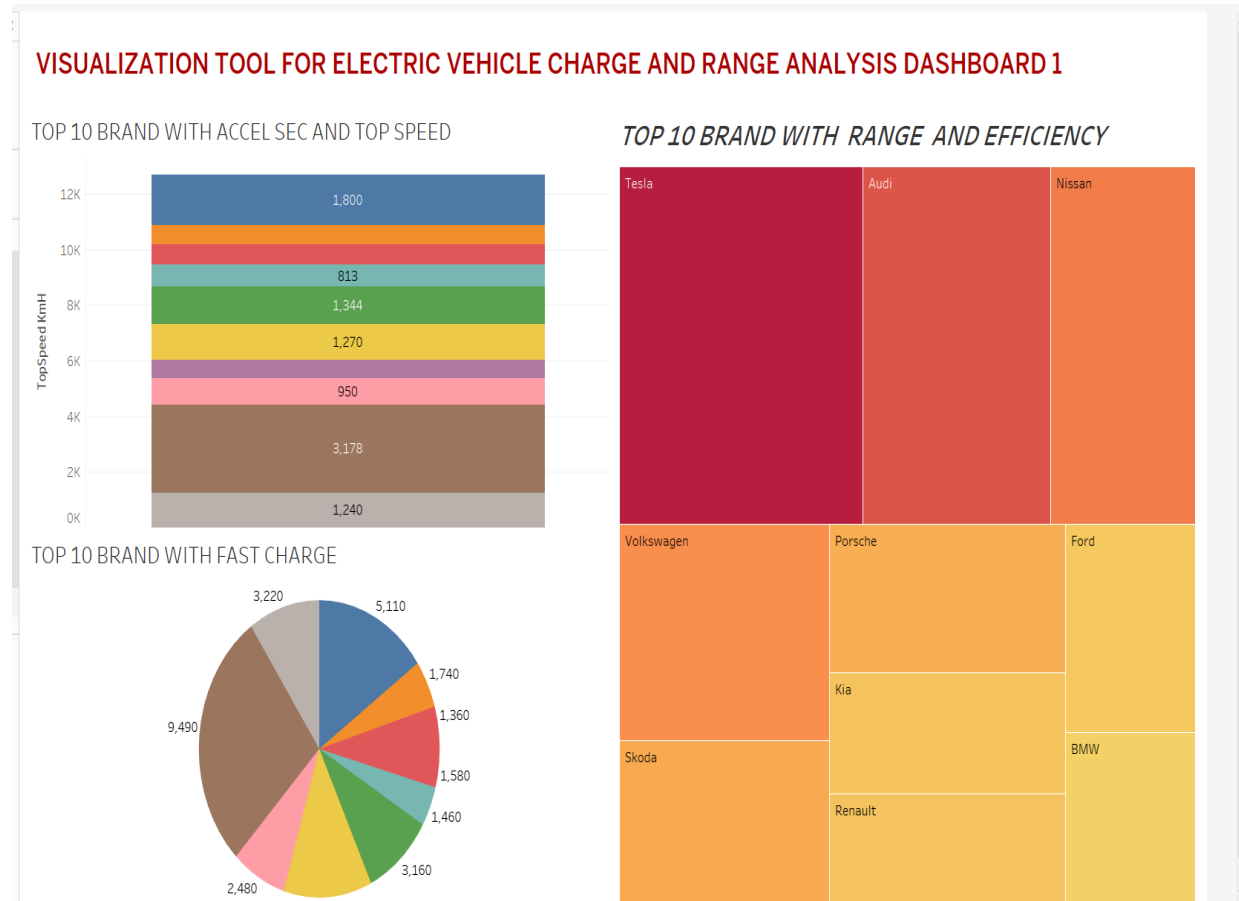


Brand. Colour shows sum of Efficiency h/Km. Size shows sum of Efficiency h/Km. The marks are label by Brand. The view is filtered on Brand, which keeps 10 of 33 members.

LINK: <https://drive.google.com/file/d/139ojz106CDdi3NJFycslF5Ht8hq7nhK0/view?usp=drivesdk>

2)DASHBOARD

i)Dashboard 1

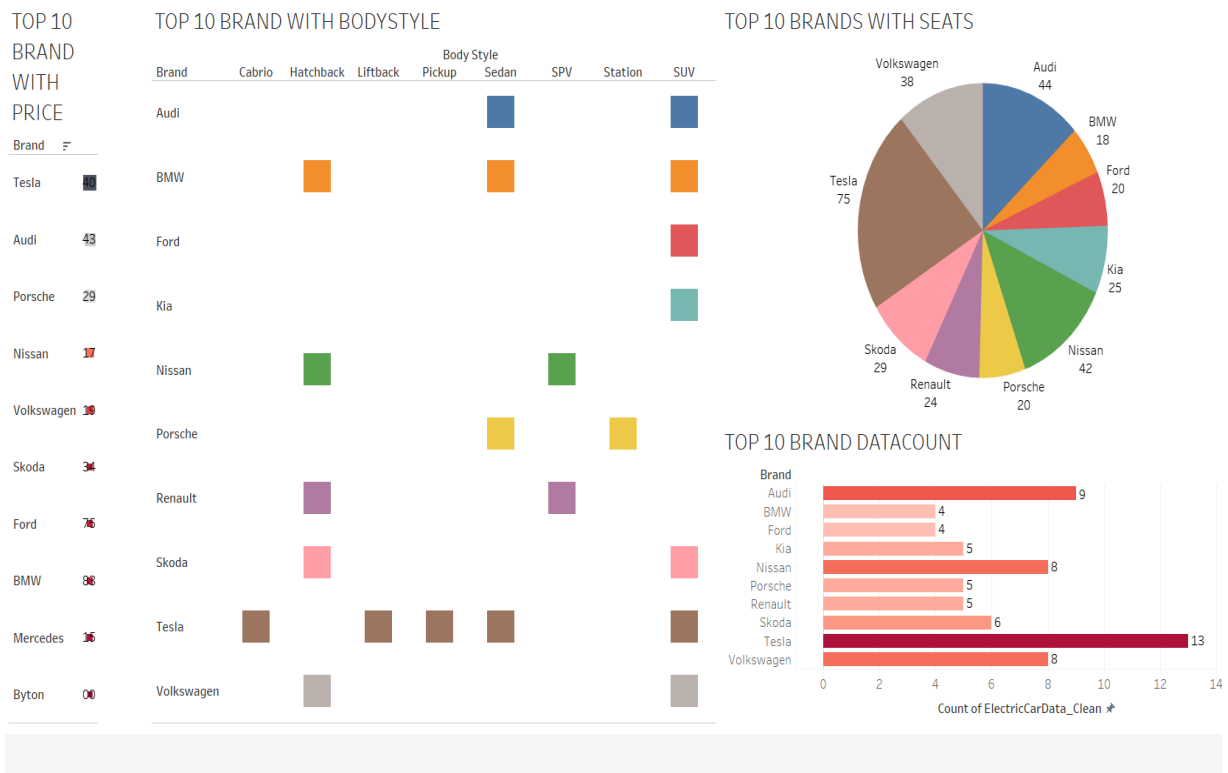


The above dashboard 1 contains three visualization for electric vehicle charge and range.

LINK:https://drive.google.com/file/d/13DM4qh2wGIfRu8xT17b_ipJwrelj-t-N/view?usp=drivesdk

ii) Dashboard 2

VISUALIZATION TOOL FOR ELECTRIC VEHICLE CHARGE AND RANGE ANALYSIS DASHBOARD 2



The above Dashboard2 contains three visualization for electric vehicle charge and range.

LINK:<https://drive.google.com/file/d/13DP39LoS5h9Bu1EdEZVXu43eLfNW3X6N/view?usp=drivesdk>

3)STORY

Web integration

LINK:

https://public.tableau.com/app/profile/lokchandhru.k/viz/DATAANALYTICSPROJECT_16912335829920/Story1?publish=yes