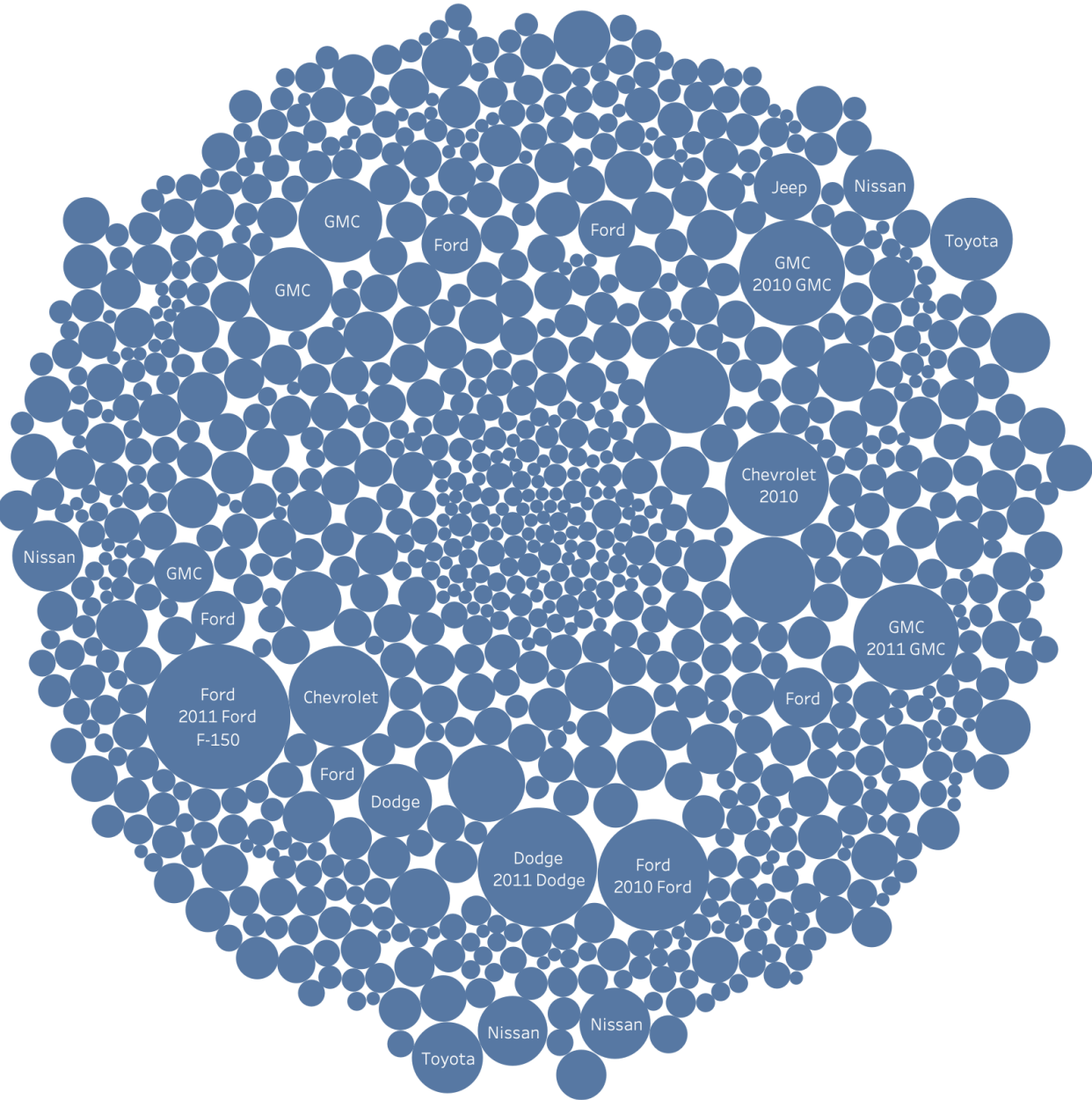


Assignment 1 - Data Exploration with Tableau

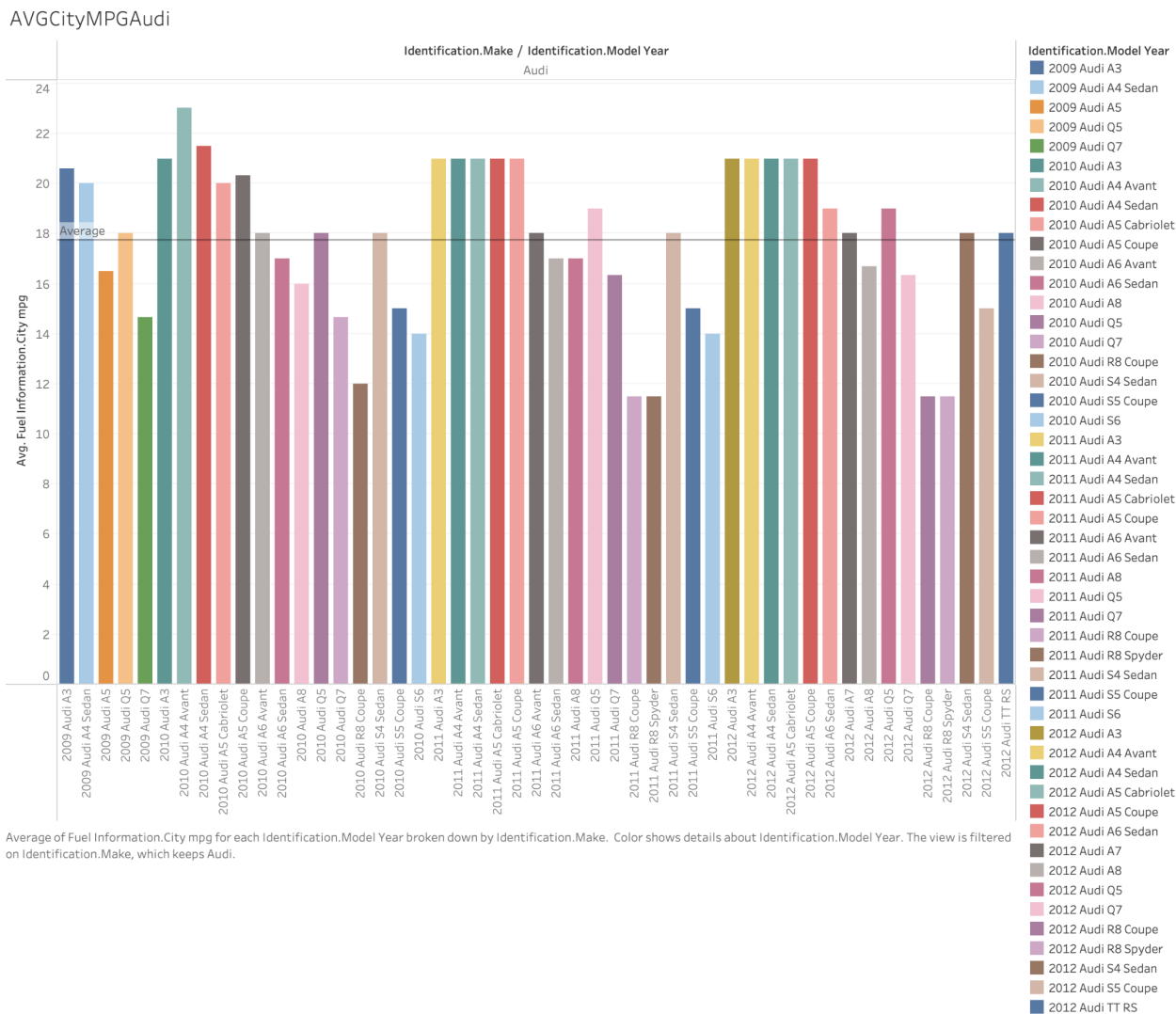
1. **Title of the Assignment:** Data Exploration through Tableau
2. **Your name and Student ID:** Vishu Sikka and 20517104
3. **A link to the dataset:** <https://corgis-edu.github.io/corgis/csv/cars/>
4. **Three findings observed from exploring data. Each of the findings must be supported through visualizations built into Tableau. Refer to the chapters linked above to learn about the various functionalities in Tableau.;**

CountLengthofVehicle



Identification.Make and Identification.Model Year. Size shows count of Dimensions.Length. The marks are labeled by Identification.Make and Identification.Model Year.

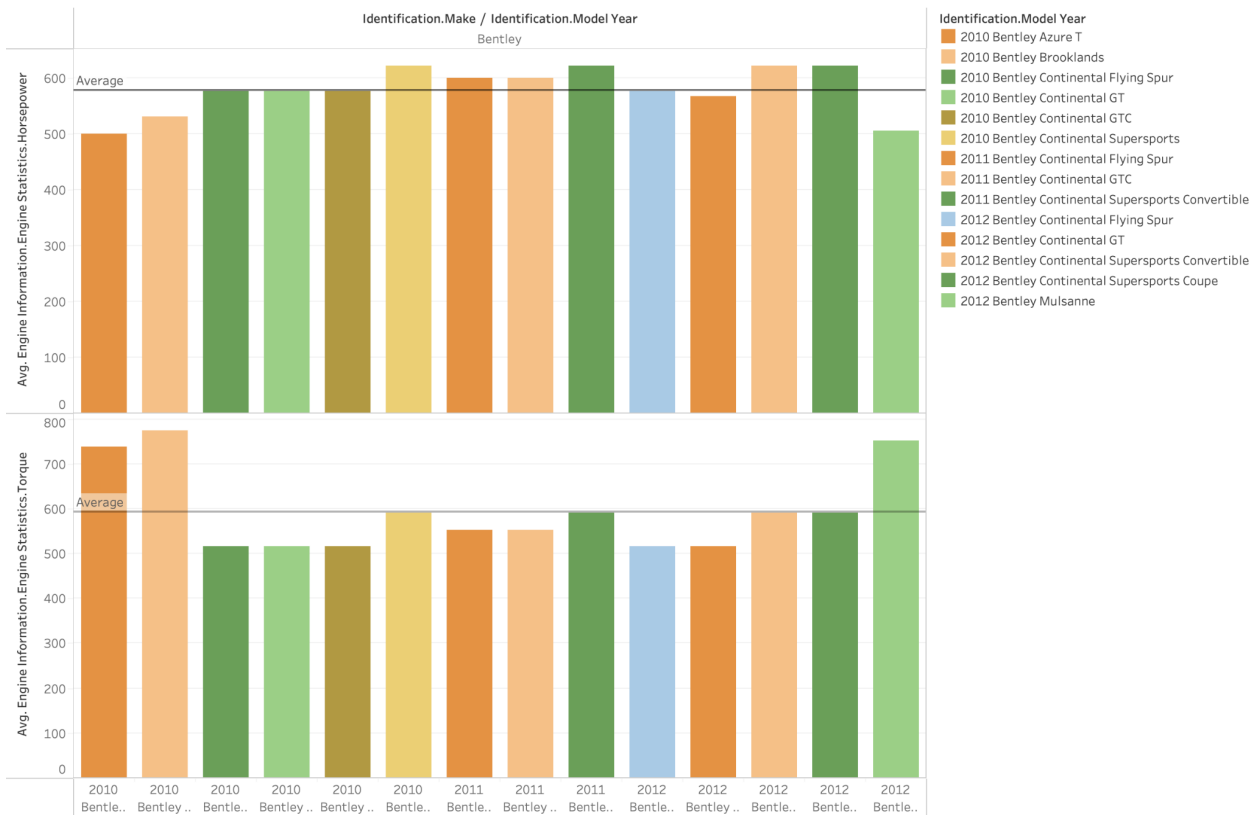
The longest vehicles in the total dataset include 5 American manufacturers.



Average of Fuel Information.City mpg for each Identification.Model Year broken down by Identification.Make. Color shows details about Identification.Model Year. The view is filtered on Identification.Make, which keeps Audi.

The average mpgs in the city for all Audis is 18.

AVGHPLBFTBentley

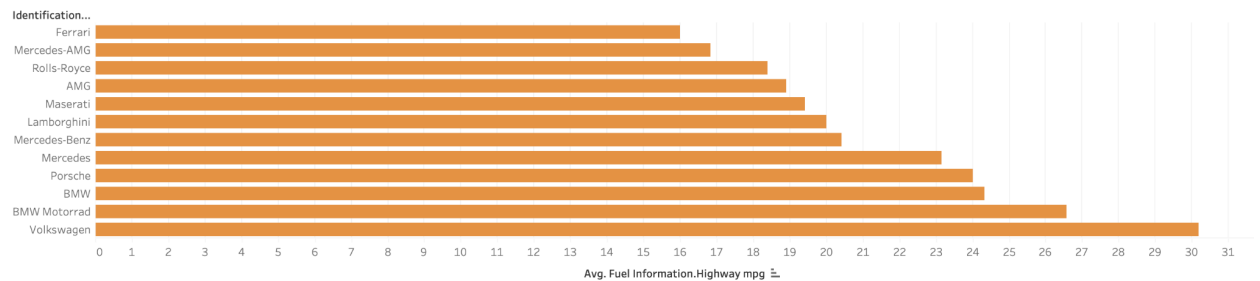


Average of Engine Information.Engine Statistics.Horsepower and average of Engine Information.Engine Statistics.Torque for each Identification.Model Year broken down by Identification.Make. Color shows details about Identification.Model Year. The view is filtered on Identification.Make, which keeps Bentley.

The average horsepower for all Bentleys is almost 600 and the average torque for all Bentleys is approximately 600.

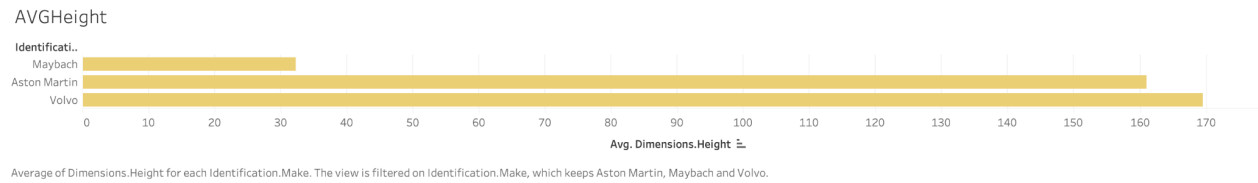
5. Extra credit: 2 points per extra findings with supported visualization evidence (up to 10 maximum points)

AverageHwyMPG

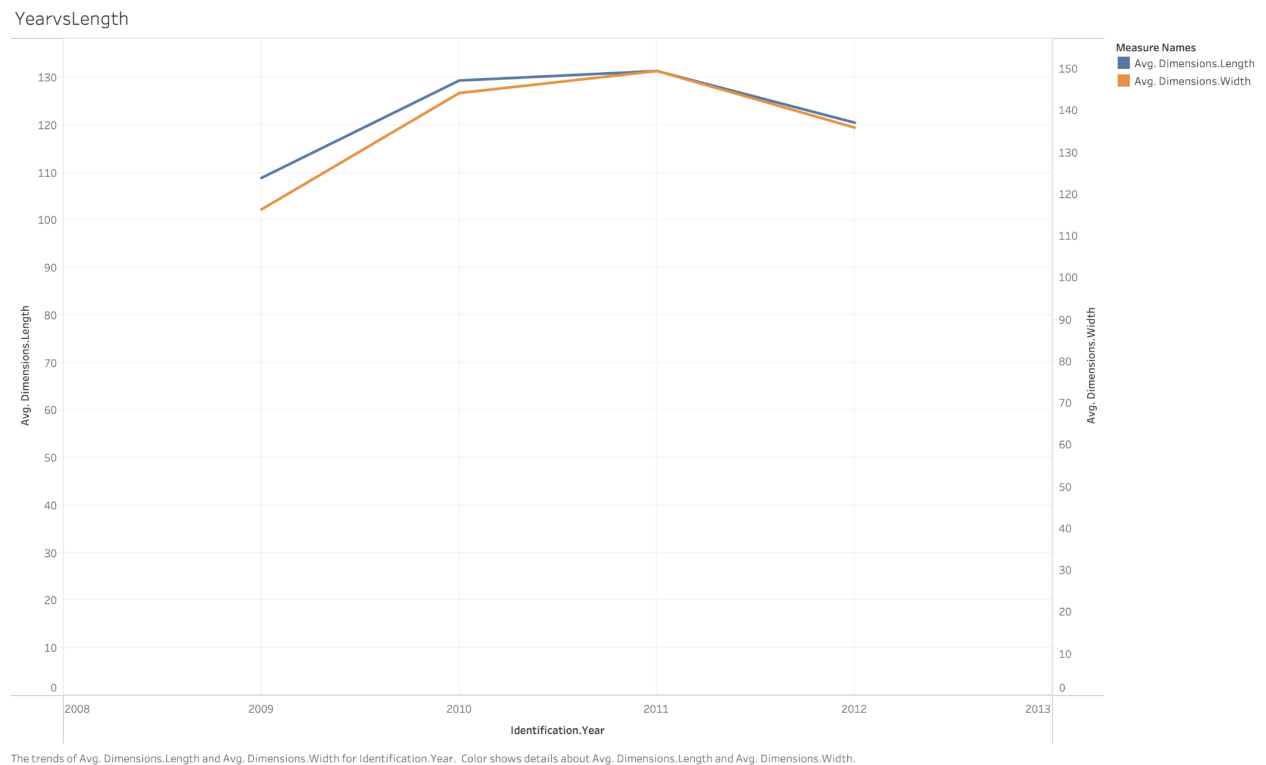


Average of Fuel Information.Highway mpg for each Identification.Make. The view is filtered on average of Fuel Information.Highway mpg and Identification.Make. The average of Fuel Information.Highway mpg filter ranges from 16.00 to 33.87. The Identification.Make filter keeps 12 of 47 members.

In this data, BMW and Volkswagen both have higher average mpg than all the other high-performance makes.

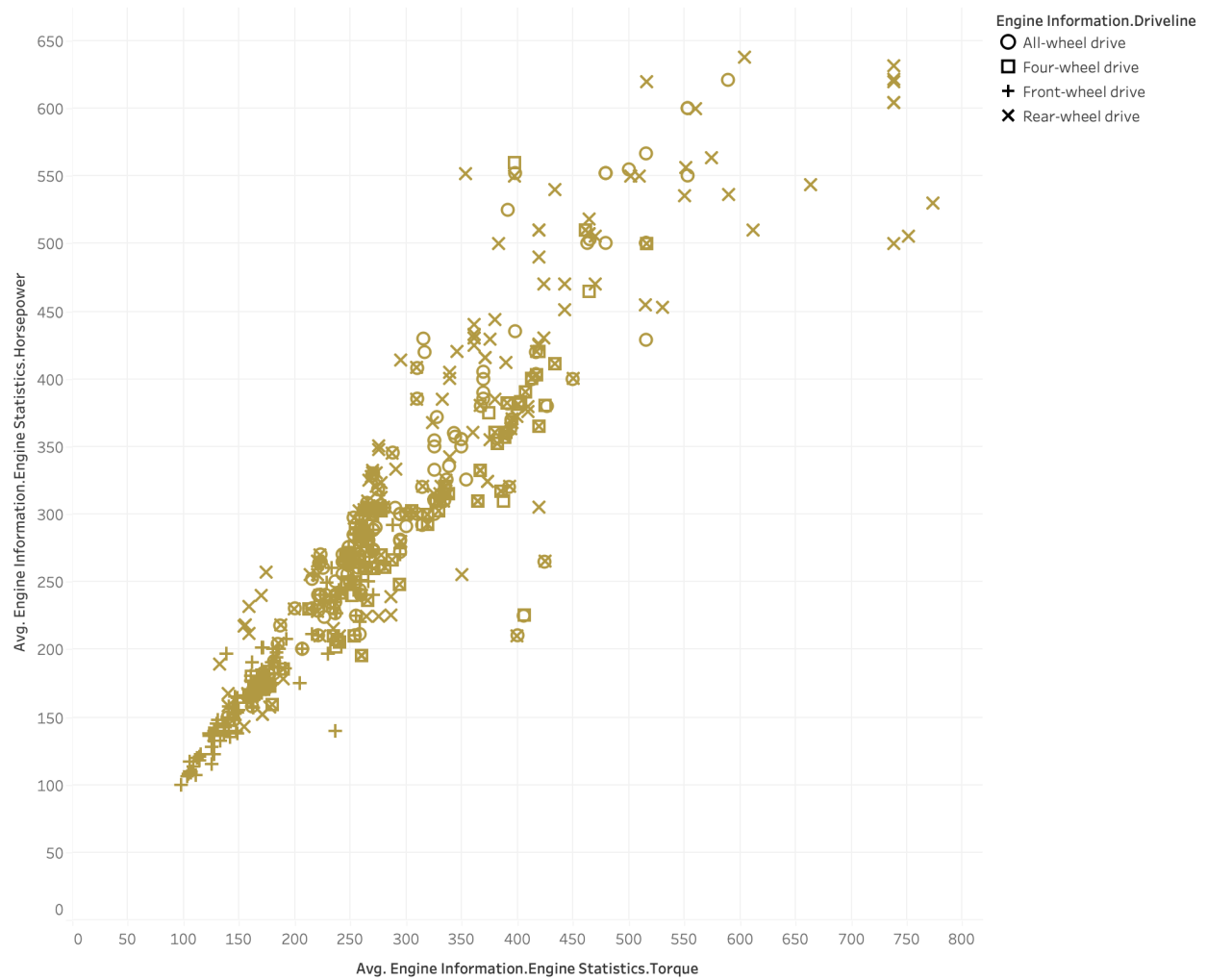


In this data, the Maybach’s average height is 5 times shorter than the Volvo’s average height.



In this data, both the average width and length went up from 2009 to 2011, but then went down from 2011 to 2012.

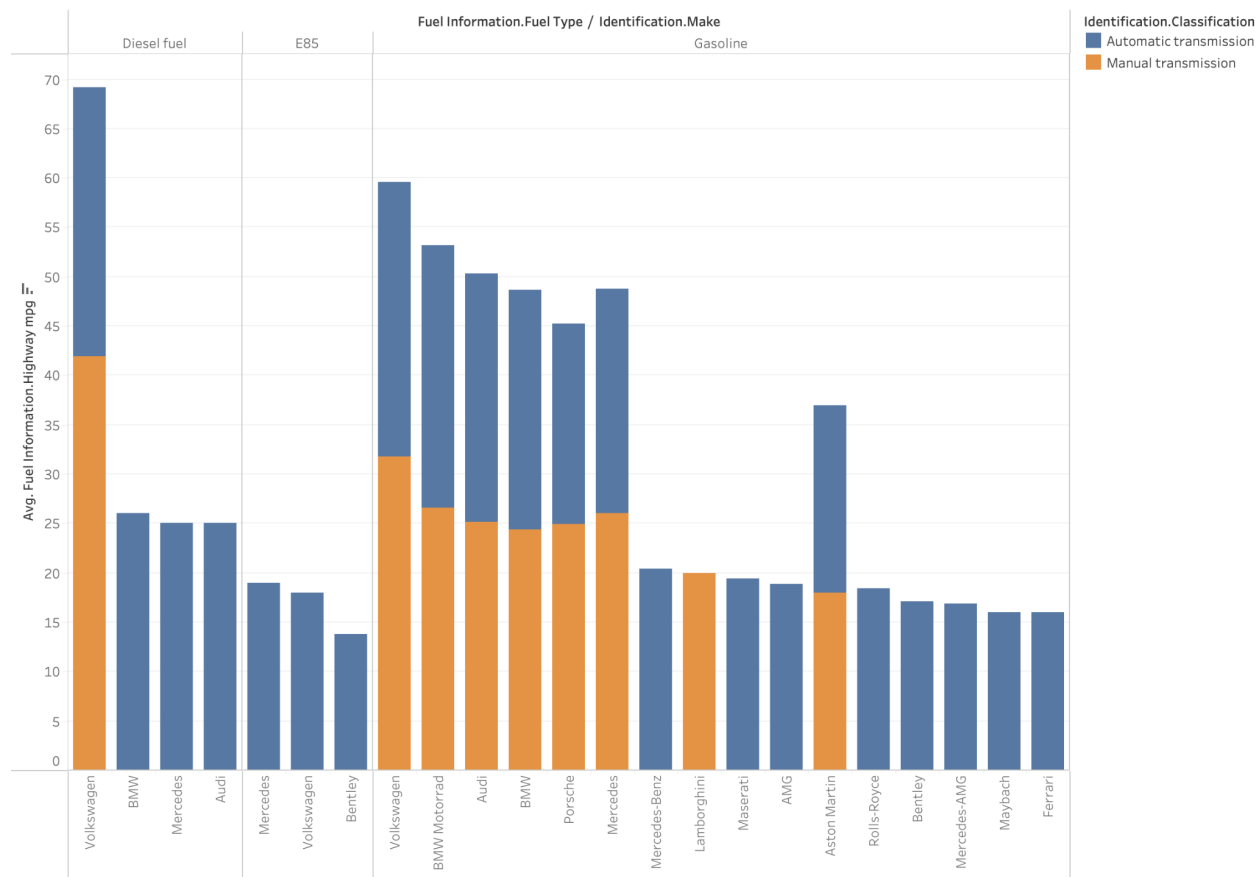
AVGTorquevsAVGHP



Average of Engine Information.Engine Statistics.Torque vs. average of Engine Information.Engine Statistics.Horsepower. Shape shows details about Engine Information.Driveline. Details are shown for Engine Information.Engine Type.

In this data, there is a strong concentration from 100 to 300 for the horsepower and the torque.

FuelInformationIdentificationAvgHwyMPG



Average of Fuel Information.Highway mpg for each Identification.Make broken down by Fuel Information.Fuel Type. Color shows details about Identification.Classification. The view is filtered on Identification.Make, which keeps 16 of 47 members.

In this data, the manual transmission has better gas mileage than the automatic transmission.