Individual Project Python Visualizations

A screenshot of a social media post

Description automatically generated

This visualization above is known as a violin plot. The visualizations uses the Seaborn library and is used by just identifying the x and y axis as well color. In my visualization I decided to focus on Cars Sold and compare density by gender. A violin plot is used when analysis needs to show a large amount of data and how dense it is as well as the distribution of each value selected. As seen in the graph above, a majority of cars sold between male and female are between 2 and 5. In accordance to our mean values we found earlier we can also see that males sold more in the 6 and 7 range.

A picture containing screenshot

Description automatically generated

Next up, I created a density plot that displays the field of cars sold. A density plot is similar to a violin plot however, this focuses on one value and show the density of entire data at hand for the selected column. On this visualization, it looks like a majority of cars sold by employees are between 2 and 5 with 6 not too far behind. At 1 and 7 the data density is very low meaning that not many employees finish with those numbers.