K-Means Clustering Analysis

Special thanks to the source of the data set: https://www.kaggle.com/sagnik1511/car-insurance-data

I know that there were no meaningful outputs from this algorithm, but since I added the analysis of the inertia data to find what would be the optimal number of clusters (which furthers my knowledge of this topic), I felt that it was relevant to post this project anyways. I know that not every algorithm that I run will yield actionable results.

That said, here is the explanation of what I did in this project:

- I ran the k-means clustering algorithm from the Scikit-Learn/Sklearn library. To find the optimal k-value (number of clusters), I created an elbow chart based on the inertia data.
- I determined that the best k-value was 4 based on the elbow chart (and the numerical values associated with it). After making the determination, I created the K-Means cluster with four clusters and provided a visual of the output.