**Visualization of Linear Regression**

**using Python Packages**

**Visualizing the Data for Correlations**

A picture containing line, diagram, plot

Description automatically generated

**Visualizing the data using heatmap**

**A picture containing text, screenshot, square, rectangle

Description automatically generated**

**Visualizing the Regression Line**

**A picture containing screenshot, line, plot

Description automatically generated**

**Plotting the Histogram using the Residual Values**

**A picture containing text, diagram, plot, screenshot

Description automatically generated**

**Looking for Patterns in Residual Values**

**A picture containing screenshot

Description automatically generated**

**Visualizing the Line on the Test Set**

**A red line with blue dots

Description automatically generated with medium confidence**