**Discussion 8: Regression**

1. What is correlation?
2. Order the charts below (a,b,c) in order of highest to lowest correlation. Additionally, interpret the charts’ correlation coefficient.

Chart, scatter chart

Description automatically generated

*(source: https://www.sv-europe.com/wp-content/uploads/correlation-1.png)*

1. What is multicollinearity?
2. Explain Regression in a paragraph as if you were talking to someone without a background in coding or statistics.
3. What is the difference between classification and regression models?
4. What is the error (hint: what value difference?) that we are trying to minimize in a regression model?
5. Why do we split our data into training and test sets? What is a common split ratio?