Monday, September 23, 2024

1. \$5,7,8,5,10,12,7,63 \$5,5,6,7,7,8,10,123

Percentiles:

Modes: 5 and 7, 60th have two entries.

2. Calculate Coorelation Coefficients;

c does not exist because they're both

- 3.1: Hours Studied us. Exam Scores
- 3.2: Coorelation Coefficient calculated in python to be ~ 0.9864. This shows strong coorelation between Cxam scores and hours worked.
 - 3.3. homework 3. py submitted with paff
- 3.4: The previously calculated coorelation coefficient is ~0.9864 as this is extremely close to 1, it indicates extremely strong coorelation
- 3.5 In this case, Coorelation implies causation as Studying information helps your memory retention.
 Thus, the more information you are able to retain the better score you get.

Ice Cream doesn't cause hot weather, het weather causes ice cream sales. Because typically people want a cold Snack when its not out. This data does provide Some useful knowledge about ice cream sales, but only when you correctly analyze the

3.6 The key finding of this data analysis is the fact that more hours spent steeling strongly coordates with grade earned on the exam. The coordation coefficient indicates strong coorelation and the relationship implies causation.

Coorelation can Show a relationship such as between ice cream consumption and heat, but as previously shown it doesn't mean ice cream causes heat.