



Correlation



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What Is Correlation?

- ✦ *Correlation* is a descriptive statistic that tells you if two variables are related to each other
 - ✦ E.g. Is your GPA related to how much you study?
- ✦ When two variables are correlated, knowing the value of one variable allows you to predict the value of the other variable

Perfect Correlation

- ✦ When two variables are perfectly correlated, knowing the value of one variable allows you to exactly predict the value of the other variable