Homework 03

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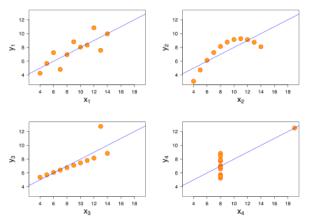
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1 Q1: Linear Regression

2 Q2: Hastie and Tibshirani Summary

Linear Regression Problem 1: Simplicity

- + Computationally easy
- Can only accurately represent simple relationships
- Can only accurately represent linear relationships

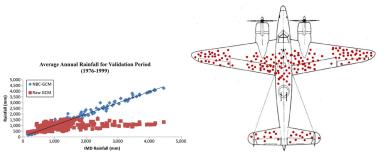


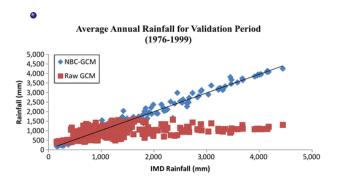


Linear Regression Problem 2: Selection Bias

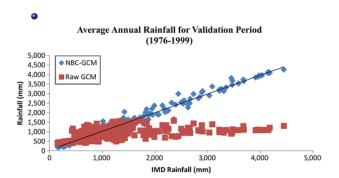
Linear regression is susceptible to selection bias

- A type of overfitting
- Occurs when a type of data is over-represented in test set





Linear Regression Problem 4:



Hastie Lectures Summary