

Government 10: Quantitative Political Analysis

Sean Westwood

Distributions and Descriptives

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- ▶ Quiz 1: 0, 0, 100, 0, 100, 0, 100, 100
- ▶ Quiz 2: 50, 60, 55, 45, 40, 40, 40, 70

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We need to consider more than just a mean

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We may be interested in how observations fall along a scale:

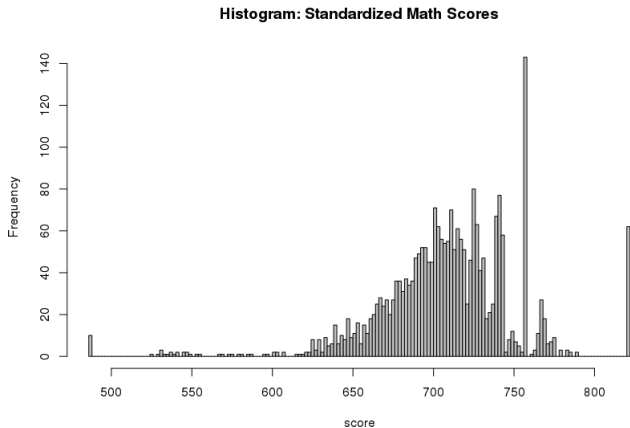
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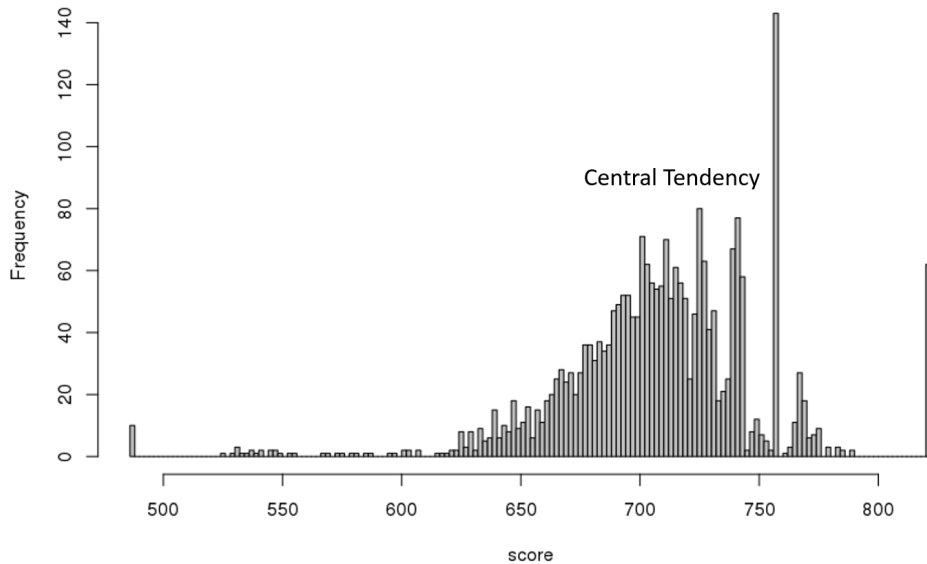
- ▶ How varied were student scores on a standardized math exam?

Consider

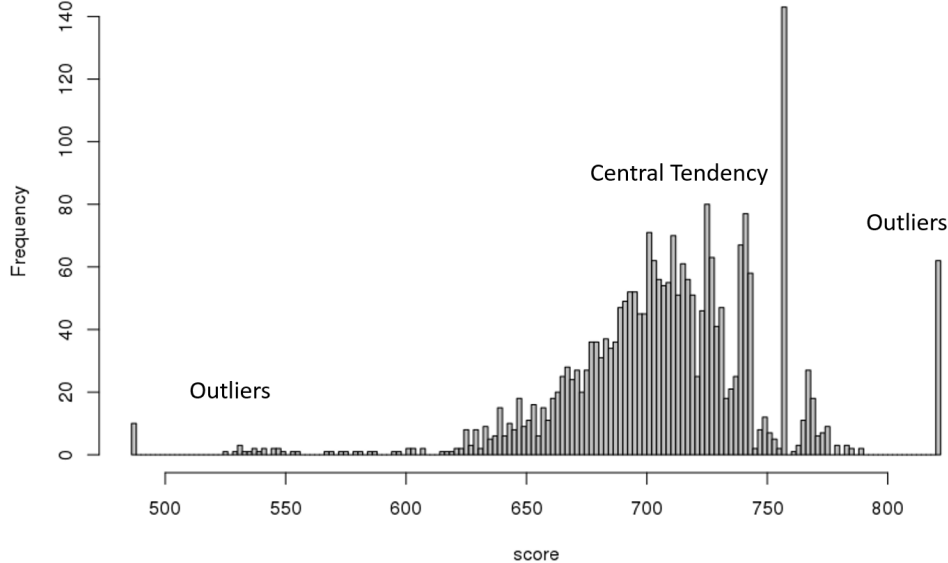


Does the mean reflect the data?

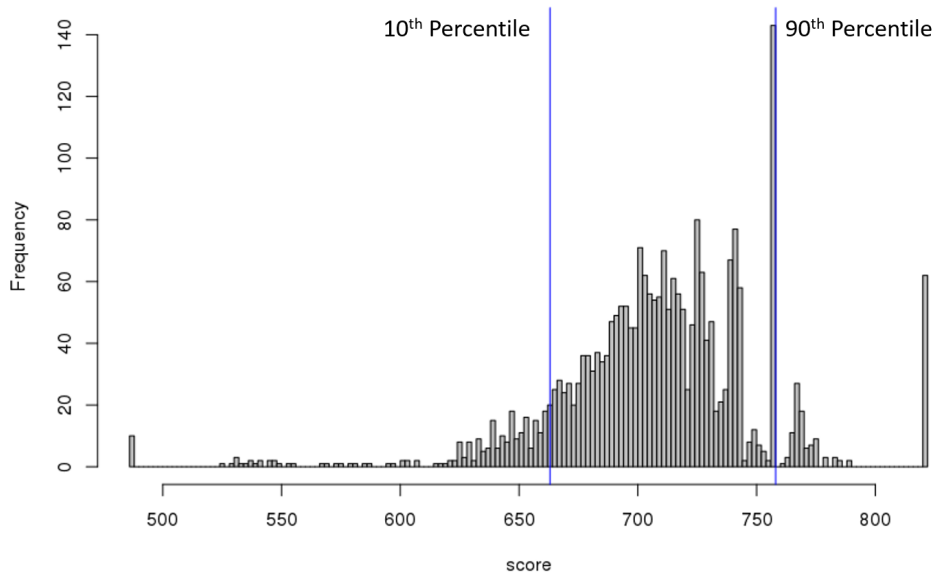
Histogram: Standardized Math Scores



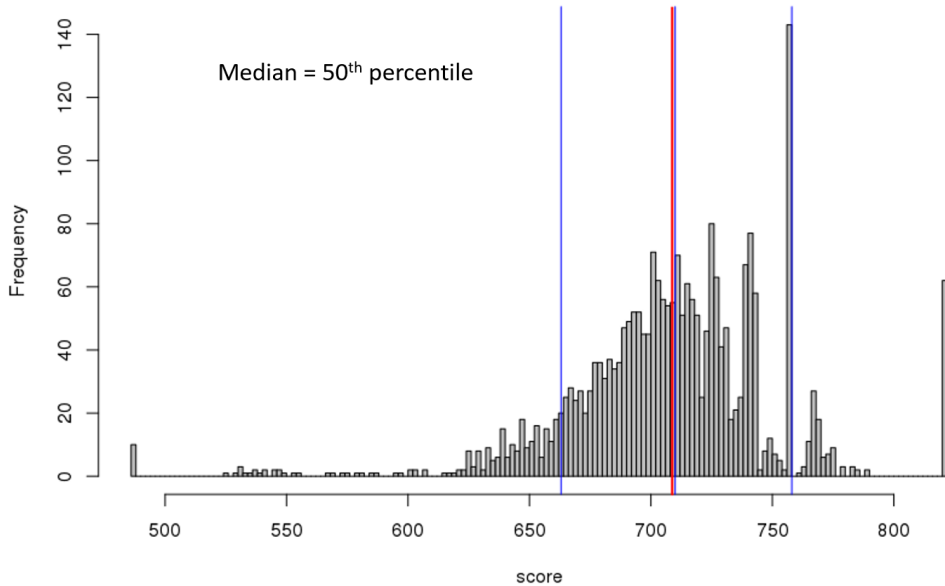
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Descriptive Statistics

Skew:

When Mean $<$ Median

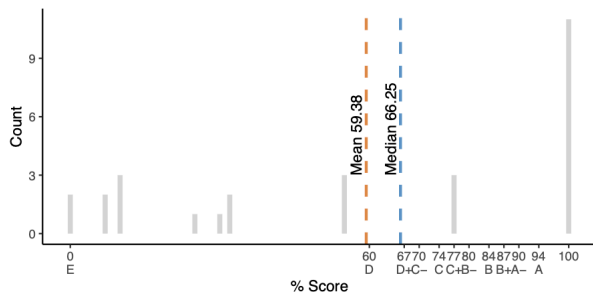
Skewed to the **left** (*long left tail*)

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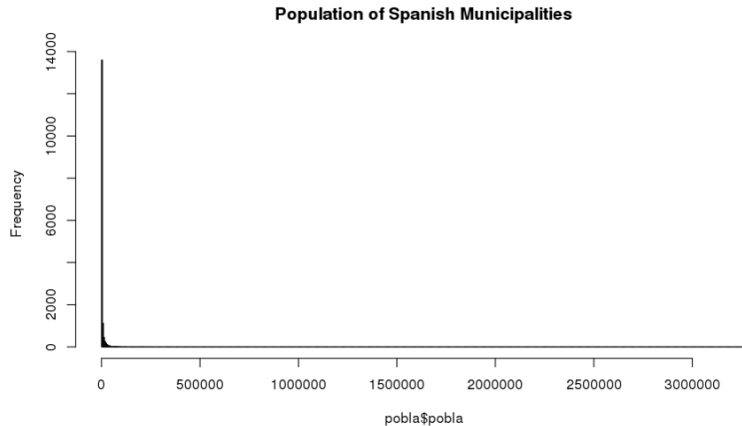
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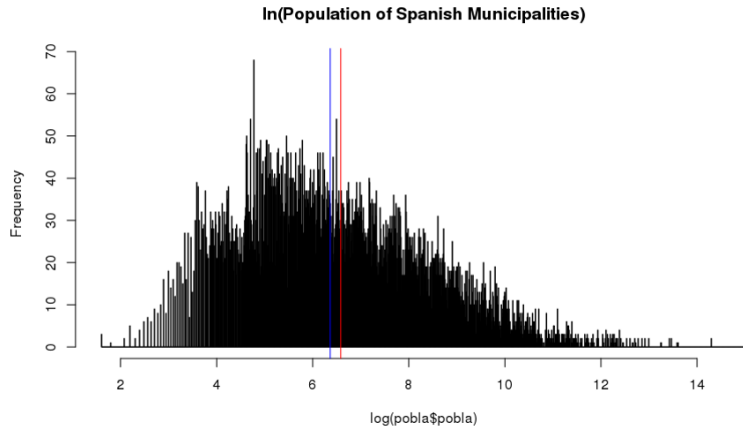
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Descriptive statistics

Practice in R