

Econ 103: Statistics for Economists

Midterm 2 Postmortem

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Test Statistics

- Mean: 75
- Median: 79
- Standard Deviation: 20

Common Mistakes

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- μ is the true population mean. At the start of the course when we were dealing with **finite** samples, this was true.
- Now we are thinking of populations as **distributions** and samples are draws from that population. As a result, populations are conceptually **infinite**.

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 - Prove that $E[aX + b] = aE[X] + b$ is asking you to prove linearity.

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 - Expectation has a very specific definition
7. Is $Var(\sum_i X_i) = \sum_i Var(X_i)$ always true?

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6. **This is part of the exam and everyone signed the Code of Academic Integrity statement. I expect everyone to uphold it.**