T-Test

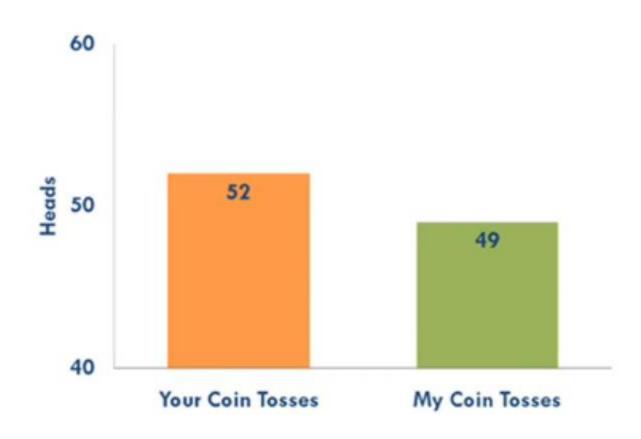
What is T-Test?

A T-Test is a statistic that check if tow means (average) are reliably different from each other

Why not just look at the means?

Looking the means may show a difference, but we can't be sure if that is a reliable difference

Is this difference reliable?



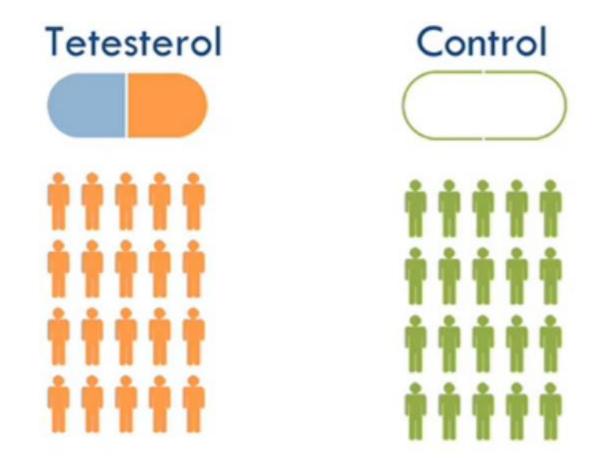
Descriptive Statistics

These are stats, such as a mean, that describe data you have, but can't be generalized beyond that.

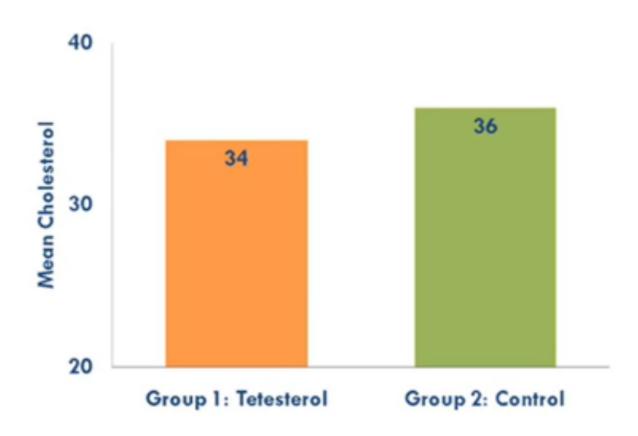
Inferential Statistics

These are stats, such as T-Tests, that allow us to make inferences about the population beyond our data.

EXAMPLE



Is this difference reliable?



T-Test

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t = variance between groups variance within groups
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A big T-value = different groups A small T-value = similar groups

T-Test

