



SEARCH



RESOURCES

CONCEPTS

- ✓ 16. Notebook + Quiz: Law of Large...
- ✓ 17. Video: Two Useful Theorems - ...
- ✓ 18. Notebook + Quiz: Central Limit...
- 19. Notebook + Quiz: Central Limit...
- 20. Video: When Does the Central ...
- 21. Notebook + Quiz: Central Limit...
- 22. Video: Bootstrapping
- 23. Video: Bootstrapping & The Ce...
- 24. Notebook + Quiz: Bootstrapping
- 25. Video: The Background of Boo...
- 26. Video: Why are Sampling Distri...
- 27. Quiz + Text: Recap & Next Steps

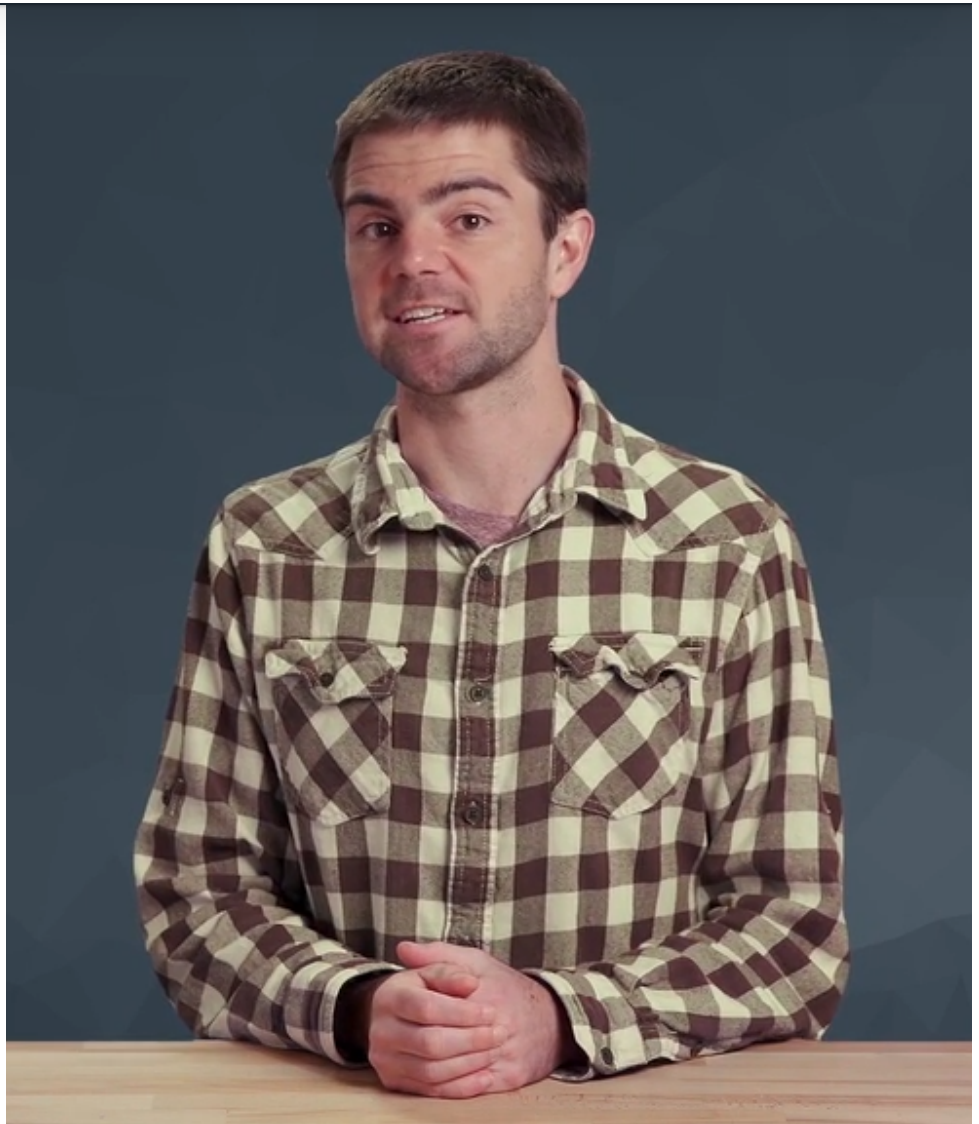


Mentor Help

Ask a mentor on our Q&amp;A platform

Peer Chat ☐

Chat with peers and alumni



The **Central Limit Theorem** states that **with a large enough sample size the distribution of the mean will be normally distributed.**

The **Central Limit Theorem** actually applies for these well known statistics:

1. Sample means ( $\bar{x}$ )
2. Sample proportions ( $p$ )
3. Difference in sample means ( $\bar{x}_1 - \bar{x}_2$ )
4. Difference in sample proportions ( $p_1 - p_2$ )

And it applies for additional statistics, **but it doesn't apply for all statistics!** .  
this towards the end of this lesson.