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Using highly interactive learning design, this Concepts in Statistics course provides students with a strong understanding of fundamental principles that guide the study of statistical inference. Drawing from Open Learning Initiative (OLI) source content, this course's simulations and lab-style synthesis activities invite hands-on exploration of statistical concepts. Students learn to summarize data graphically and numerically; examine relationships among quantitative data; understand the role of probability and probability distributions; link probability to statistical inference; and conduct foundational statistical calculations and analyses.

About Lumen

Lumen Learning's mission is to make great learning opportunities available to all students, regardless of socioeconomic background.

We do this by using open educational resources (OER) to create well-designed and low-cost course materials that replace expensive textbooks. Because learning is about more than affordability and access, we also apply learning science insights and efficacy research to develop learning activities that are engineered to improve subject mastery, course completion and retention.

If you'd like to connect with us to learn more about adopting this course, please [Contact Us](#).

You can also [make an appointment](#) for [OER Office Hours](#) to connect virtually with a live Lumen expert about any question you may have.

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