

“Research in Action” Podcast Instructor Guide

Use the following episode description, learning objectives, guiding questions and activity suggestions to more easily include “Research in Action” podcast episodes as a supplemental resource for your course.

Podcast and Episode Information

“Research in Action” is a weekly podcast about topics and issues related to research in higher education featuring experts across a range of disciplines.

On this episode of the podcast, the guest is Brooke Robertshaw, PhD, an assistant professor and the assessment librarian at Oregon State University. Her current research interests revolve around the ethics of learning analytics with a particular interest in the contextual nature of quantitative methodologies. Brooke is a member of the Data Doubles team that is exploring student perspectives of learning analytics. She is passionate about quantitative literacy, social justice, and the intersection of the two. In her spare time, she enjoys whitewater and flat water kayaking, discovering ways to give voice to the voiceless of the diaspora in the Middle East, and traveling to Jordan to spend time with her dear friends there.

Segment One [00:00-15:28] - In this segment, Brooke discusses effect sizes, how they are used, and why they are important.

Segment Two [15:29-28:41] - In this segment, Brooke discusses best practices for using effect sizes and resources to learn more.

Show notes and a transcript for this episode can be found at:

<http://ecampus.oregonstate.edu/research/podcast/e133/>

Learning Outcomes

By listening to this episode, students will be able to:

- Describe what an effect size is
- Provide an example how an effect size is used
- Discuss why effect sizes should be calculated
- Discuss why effect sizes are important in decision making.

Guiding Questions for Listening

- How does Dr. Robertshaw define effect size?
- What is an example of an effect size?
- How is effect size calculated?
- What is the purpose of using effect size within a statistical analysis?
- According to Dr. Robertshaw, why does she consider effect size to also be an ethical practice?
- What does Dr. Robertshaw explain are some of the practical ways in which effect sizes are utilized?
- What are confidence intervals?

Possible Activities

- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e133/>) and look at an additional resource that is linked in connection with this episode. Students can write a short review of that resource to share with their peers.
- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e133/>) and post an additional resource connected to the content of the episode in the comments section.
- Have students share questions that are raised for them based on the content of this episode. What would they ask Dr. Brooke Robertshaw if they could?

Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2018, October 15). *Dr. Mary Ellen Dello Stritto and Dr. M. Brooke Robertshaw on Effect Sizes*. [Audio podcast]. Retrieved from <http://ecampus.oregonstate.edu/research/podcast/e133/>

Notes

About the Research in Action Podcast

“Research in Action” (RIA) is a podcast about topics and issues related to research in higher education featuring experts across a range of disciplines. Episodes are posted weekly and include guest interviews and occasional solo episodes. Guests are from a range of higher education institutions and share their expertise on qualitative, quantitative and mixed methods as well as their personal experiences as researchers, research and writing practices, organizational and productivity strategies, and much more. Some weeks, bonus content will also be posted.

“Research in Action” is hosted by [Dr. Katie Linder](#), research director for Oregon State University Ecampus.

Visit the podcast website to view [show notes and transcripts for each episode](#), explore our [episode guide](#), learn more about how to [contact us](#), or [suggest a future guest or topic](#).

You may subscribe to the [“Research in Action” RSS feed](#) or access the podcast via [iTunes](#), [Soundcloud](#) or [Stitcher](#).

“Research in Action” is also listed on [MERLOT](#).

The “Research in Action” podcast is a resource funded by Oregon State University Ecampus – ranked top ten in the nation for online education two years running by U.S. News & World Report. OSU Ecampus has more than 45 degree programs and more than 1,000 classes online.

Contact

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