

“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.

Dr. Mary Ellen Dello Stritto and Dr. William D. Marelich on the Applied Quantitative Perspective [00:00-28:35]

Research in Action - Episode 91

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 Dr. William D. Marelich, a Professor of Psychology at California State University, Fullerton, and consulting statistician for Health Risk Reduction Projects, Integrative Substance Abuse Programs, Department of Psychiatry and Biobehavioral Sciences, David Geffen School of Medicine at University of California, Los Angeles. His research interests and publications address decision-making strategies in health settings, patient/provider interactions, HIV/AIDS, and statistical/methodological approaches in experimental and applied research. Dr. Marelich is coauthor of the book *The Social Psychology of Health: Essays and Readings* and is an Editorial Board Member of the *International Journal of Adolescence and Youth*. He also has an interest in Sports Psychology with applications to baseball.

Segment One [00:00-10:43] - In this segment, William discusses the applied quantitative perspective in research.

Segment Two [10:44-19:38] - In this segment, William offers his perspective on key statistical concepts to understand for reading research reports and publications.

Segment Three [19:39-28:35] - In this segment, William discusses statistical software and the concepts of p-hacking and p-curves.

Bonus Clip #1 [00:00-03:10]: Longitudinal Statistical Approaches

Bonus Clip #2 [00:00-07:46]: P-values and Statistical Testing

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

<http://ecampus.oregonstate.edu/research/podcast/e91/>

Learning Outcomes

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

- Describe the applied quantitative perspective and provide an example
- Discuss the application of the applied quantitative perspective in with real world data
- Review key foundational statistical concepts
- Discuss two new statistical concepts

Guiding Questions for Listening

- How does Dr. Marelich describe social psychology?
- According to Dr. Marelich, how does applied social psychology provide a bridge with other sub-disciplines?
- How does Dr. Marelich define the applied quantitative perspective?
- What is an example of research within the applied quantitative perspective?
- According to Dr. Marelich, how is the applied quantitative perspective used for real world data?
- What does Dr. Marelich explain are important key statistical concepts to understand in order to read and understand research reports or publications?
- What is “p-hacking” and what are “p-curves”?
- What is an example of a longitudinal statistical approach? (See also, Bonus Clip #1)
- How does Dr. Marelich explain the use of p-values within statistical testing? (See also, Bonus Clip #2)

Possible Activities

- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e91/>) 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/e91/>) 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. William Marelich, if they could?

Suggested Citation (APA, 6th edition)

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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.

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