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.

Oregon State University

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. Stephan Lewandowsky, a cognitive scientist at the University of Bristol. He was an Australian Professorial Fellow from 2007 to 2012, and was awarded a Discovery Outstanding Researcher Award from the Australian Research Council in 2011. He received a Wolfson Research Fellowship from the Royal Society upon moving to the UK in 2013. He was appointed a Fellow of the Academy of Social Science in 2017. In 2016, he was appointed a fellow of the Center for Skeptical Inquiry for his commitment to science, rational inquiry and public education.

His most recent research interests examine the potential conflict between human cognition and the physics of the global climate, which has led him into research in climate science and climate modeling. He has published more than 150 scholarly articles, chapters, and books, including numerous papers on how people respond to corrections of misinformation and what variables determine people's acceptance of scientific findings. He has also contributed around 50 opinion pieces to the global media on issues related to climate change "skepticism" and the coverage of science in the media. He is currently serving as Digital Content Editor for the Psychonomic Society and blogs routinely on cognitive research at www.psychonomic.org.

Segment One [00:00-10:04] - In this segment, Steve shares about his research relating memory and misinformation.

Segment Two [10:05-21:26] - In this segment, Steve discusses some of his research studies related to distrust of science.

Segment Three [21:27-38:03]: In this segment, Steve describes the concept of techno-cognition as one response to a post-truth era.

Bonus Clip #1 [00:00-02:34]: Examples of the Relationship Between Knowledge and Belief

Bonus Clip #2 [00:00-05:20]: Building a Computational Model

Show notes and a transcript for this episode can be found at:
http://ecampus.oregonstate.edu/research/podcast/e70/

Learning Outcomes

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

- Define skepticism

- Describe motivated cognition

- Provide an example of techno-cognition

- Compare and contrast the relationship between knowledge and belief

Guiding Questions for Listening

- How does Dr. Lewandowsky define skepticism?

- What is motivated cognition?

- How does Dr. Lewandowsky explain the connection between motivated cognition and confirmation bias?

- According to Dr. Lewandowsky, why does there appear to be a distrust of science?

- According to Dr. Lewandowsky, what is the "post-truth era"?

- What is techno-cognition?

- What is an example of techno-cognition?

- According to Dr. Lewandowsky, what is a "filter bubble"?

- How does Dr. Lewandowsky explain the relationship between knowledge and belief? (See also, Bonus Clip #1)

- What is a computational model? (See also, Bonus Clip #2)

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Possible Activities

- Ask students to visit the show notes for this episode (http://ecampus.oregonstate.edu/research/podcast/e70/) 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/e70/) 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. Stephan Lewandowsky if they could?

Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2017, July 31). *Dr. Stephan Lewandowsky on Distrust of Science* [Audio podcast]. Retrieved from http://ecampus.oregonstate.edu/research/podcast/e70/

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

Katie Linder, Ph.D.
Director of Research
Oregon State Ecampus
541-737-4629
kathryn.linder@oregonstate.edu

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