

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.

Steve Van Tuyl on Data Management [33:50]

Research in Action - Episode 11

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 Steve Van Tuyl, the Digital Repository Librarian at Oregon State University, where he manages the university’s institutional repository, ScholarsArchive@OSU, and participates in providing research data services to students and faculty. Prior to his work at OSU, Steve was a Data Services Librarian at Carnegie Mellon University and a Reference Librarian at the University of Pittsburgh. In a previous life, Steve was a Biologist with the USDA Forest Service, conducting research on disturbance impacts on forest carbon cycling.

Segment One [00:00-11:06] - In this segment, Steve and the host talk about the components of data management and some best practices for data storage.

Segment Two [11:07-22:01] - In this segment, Steve and the host discuss requirements and best practices for writing data management plans.

Segment Three [22:02-33:50] - In this segment, Steve shares some of his thoughts on the “open science” movement.

Bonus Clip # 1 [00:00-3:39]: Why you should expand your 2-page data management plan.

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

<http://ecampus.oregonstate.edu/research/podcast/e11/>

Learning Outcomes

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

- Describe data management and metadata
- Give examples of data management
- Discuss recommendations for effective data management
- List examples of metadata
- Review suggested elements to include in data management plans
- Cite resources for data management planning and best practices
- Explain and provide examples of open science
- Discuss recommendations for operationalizing data management plans

Guiding Questions for Listening

- What is data management and what does it typically involve?
- What does data management not involve?
- What are some of the recommendations mentioned for effective data management?
- What is metadata and what are some examples of it?
- What appears to be some of the motivation behind the changing requirements for data management plans?
- According to Steve Van Tuyl, what are some of the major elements to include in a data management plan?
- What type of information can digital object identifiers (DOIs) track with regard to datasets and how can this be beneficial to items published through open science?
- What are some of the recommendations discussed for creating a data management plan and how can it be operationalized? (see also, bonus clip)

Possible Activities

- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e11/>) 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/e11/>) 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 or the content of the episode's bonus clips. What would they ask Steve Van Tuyl if they could?
- Have students create a draft data management plan for a real or imagined research project using the resources discussed in the episode.

Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2016, June 13). *Steve Van Tuyl on Data Management* [Audio podcast]. Retrieved from <http://ecampus.oregonstate.edu/research/podcast/e11/>

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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