**OSSSG third session: Open Data, Data Sharing and Ethics**

**Date:** November 6, 2020

**Location:** Zoom

**Presenter:** Jenelle Morgan & Chelsea Moran

**Session description:** “Open data” refers to the open science practice of sharing research data in a freely accessible format. In our third session, we'll be joined by graduate students Chelsea Moran and Jenelle Morgan who will provide an overview of data sharing and open data. They will provide practical tips on 1) how to share data openly based on principles of open science and 2) guidelines for using data that have been shared openly by others. They will also share their experiences with these practices and discuss ethical considerations. We hope that this session will allow you to learn more about the pros and cons of open data and consider ways you might incorporate these practices in your own research. Come join us to learn, discuss and make connections with other students in the department who are working towards implementing open science practices in their research.

**Link to video recording of presentation:**

**Link to slides:** <https://osf.io/cnbmx/>

**Challenges:**

Learn more about it!

* Check out the resources shared in today's presentation.

Talk about it!

* Talk to your lab supervisor and collaborators about the pros and cons of sharing data and using shared data sets in your field.

Try it out!

* Find a dataset that would be interesting for you to use, download it, explore it - just to see what it would be like!
* Explore different data sharing platforms (e.g., OSD, Dataverse, Dryad, among many others!) and identify 1 or 2 options that you might be interested in using in the future.

Implement it!

* Make a data sharing plan for your next project, according to the FAIR principles.
* Create an account on a data sharing platform.
* Identify an open dataset that you’d be interested in using and create a plan of ethical issues to consider if you should use that dataset.

**Resources:**

Watch (videos):

* [Managing and Sharing Research Data](https://mediasite.czu.cz/Mediasite/Play/8ddb3bafa8bd4bdea4f8f9b6dfe3cf771d?catal%E2%80%A6) (lecture by Sarah Jones on behalf of Foster Open Science, approximately 55 mins)
* [Open Access to Research Data in Horizon 2020](https://www.youtube.com/watch?v=fFvLs7a5TuY&t=246s) (lecture explaining importance of research data management and open data, examples, and resources to help support implementation, approximately 15 minutes)

Read (articles/papers/blogs):

* [Open Data Handbook](https://opendatahandbook.org/) (Website with collection of guides, resource library and value stories highlighting examples of the social and economic value of open data)
* [The FAIR Guiding Principles for scientific data management and stewardship](https://www.nature.com/articles/sdata201618) (Peer-reviewed article)
* [Data reuse and the open data citation advantage](https://peerj.com/articles/175/) (Peer-reviewed article)
* [Open Licensing and File Formats](https://book.fosteropenscience.eu/en/02OpenScienceBasics/06OpenLicensingAndFileFormats.html) (From the Open Science Training Handbook)
* [Practical Data Anonymization](https://www.fosteropenscience.eu/node/2782) (Slides with How-to)
* [Open Science, Open Data](https://www.fosteropenscience.eu/node/1510) (Slides with tips on how to answer the most commonly heard objections to data sharing starting on slide #32)
* [Open Science Training Handbook](https://book.fosteropenscience.eu/en/02OpenScienceBasics/02OpenResearchDataAndMaterials.html) (see section called “Open Research Data and Materials”)
* [Managing and Sharing Research Data](https://www.fosteropenscience.eu/learning/managing-and-sharing-research-data/#/id/5b2ccc7d7ce0b17553f69063) (Free online course through University of Leeds with links to multiple resources. Can click through content quickly, no need to complete all modules of the course)
* [Data Ethics Canvas](https://theodi.org/article/data-ethics-canvas/) (tool to help identify and manage ethical issues for anyone who collects, shares or uses data)

Relevant resources shared in previous OSSSG sessions:

* [Open Science Top Ten Open Source Tools](https://genr.eu/wp/open-science-top-ten-tools-all-open-source/)
* [The Turing Way](https://the-turing-way.netlify.app/welcome.html) (An open-source guidebook to reproducible, ethical, inclusive, and collaborative data science. Check out the guide for reproducible research)
* [Easing into Open Science: A Tutorial for Graduate Students](https://psyarxiv.com/vzjdp/)
* [Learn about OSF](https://www.cos.io/products/osf)