**OSSSG seventh session: Writing Reproducible Manuscripts**

**Date:** February 12, 2021

**Location:** Zoom

**Presenter:** Michael McCarthy

**Session description:** Join us for a hands-on workshop led by MSc student Michael McCarthy on writing reproducible manuscripts using GitHub, R, and R Markdown. The workshop will introduce you to GitHub and version control (a crucial tool for reproducibility), show you how to write a reproducible manuscript in R and R Markdown through a hands-on example, discuss best-practices for collaboration, and explore options for polishing and publishing reproducible manuscripts. Interactive exercises will be designed to account for all skill levels. No previous experience with GitHub or R required!

**Link to video recording of presentation:**

**Link to workshop materials:** <https://github.com/mccarthy-m-g/mccoy-and-spock-2287>

**Challenges:**

Learn more about it!

* Work through [The Turing Way](https://the-turing-way.netlify.app/welcome.html), an open source community-driven guide to reproducible, ethical, inclusive and collaborative data science.
* Listen to one of the reproducible science podcasts linked to at the end of this presentation

Talk about it!

* Talk to your collaborators about how you can introduce reproducible workflows into your own projects

Try it out!

* Attend our Writing Reproducible Manuscripts workshop in two weeks
* Try to reproduce the results of the first analysis you ever did
* See how well your current project fairs against our Reproducibility Checklist

Implement it!

* Write your thesis project as a reproducible manuscript
* Set aside time to check out the coding and reproducibility resources linked to at the end of this presentation
* Pick one item on the reproducibility checklist and implement it in your next project

**Resources:**

Free books for learning R: <https://michaelmccarthy.netlify.app/post/books-for-learning-r/>