Run, analyze, and openly share your study

In this assignment, we will revise our preregistration on our IMDB project according to the feedback we got from our peers. Afterwards, we will run the study (yes, we will actually collect the data using IMDB), store the data as a file, and create a repository on OSF with all relevant information for any interested parties.

When you revise your preregistration now, please keep practical limitations in mind: Since you will collect the data in class, try to keep the amount of observations that you plan to collect to a feasible number. I don't want you to spend more than 20 minutes on the actual data collection. Additionally, try to keep the planned analysis to a minimum. For example, maybe you just compare the means of two conditions with each other to test your hypothesis.

E1: Revise your preregistration on your proposed IMDB study.

E2: Register it with aspredicted.org. Save the generated .pdf file for later.

Now that we have preregistered our study, let's create an OSF repository and upload the preregistration.

E3: Create an OSF project and store your preregistration there. Make your project public immediately.

The world knows now how we want to answer our research question. Great! Let's actually collect the data now.

E4: Collect the data according to your preregistration. Store the data as you see fit (e.g. Excel, Numbers, Text file).

Note that if you now realize that the way you wanted to collect the data cannot be done, you might have to diverge from the preregistration. This is okay, but please make a note and don't forget to mention this in your report later.

Let's test our hypothesis:

E5: Test your hypothesis according to your preregistration.

We are almost there now. Now we want to write a short report that states our results. You don't have to write a novel, just report what you have found in a concise (but reader-friendly) way.

E6: Write up your results and save it as a .pdf file.

We want to obviously share all these files with interested IMDB researchers out there.

E7: Upload your data and your report to your OSF repository. Create folders / components as you see fit.

Finally, we want to add any kind of information to our repository that might help interested people to understand the content of our repository, the nature of our files, and how to use and interpret them. You could for example create a ReadMe in your wiki or add a code book.

E8: Add Metadata to your repository as you see fit.

Great job! You are now ready to be an open, transparent, and reproducible scientist.