**More on the explainer notebook**

The notebook should contain your analysis and code. Please structure it into the following 4 sections

1. Motivation

* What is your dataset?
  + Lists of scientists
* Why did you choose this/these particular dataset(s)?
  + Disciplinary interest/qualitative knowledge
* What was your goal for the end user's experience?
  + Informing users about relations between social sciences and deconstruction of traditional categories of social science.

1. Basic stats. Let's understand the dataset better

* Write about your choices in data cleaning and preprocessing
* Write a short section that discusses the dataset stats (here you can recycle the work you did for Project Assignment A)
  + Degree distribution, number of edges/nodes within each disciplines.
  + Most connected/least connected.
  + Network - > very dense

1. Tools, theory and analysis. Describe the process of theory to insight

* Talk about how you've worked with text, including regular expressions, unicode, etc.
* Describe which network science tools and data analysis strategies you've used, how those network science measures work, and why the tools you've chosen are right for the problem you're solving.
  + Backbone
  + Community detection
  + Text analysis:
    - TF-IDF.
  + HSBM
    - Text analysis with HSBM
    - …..
  + Comparative analysis of networks with/without HSBM
* How did you use the tools to understand your dataset?

1. Discussion. Think critically about your creation

* What went well?,
* What is still missing? What could be improved?, Why?

1. Contributions. Who did what?

* You should write (just briefly) which group member was the main responsible for which elements of the assignment. (I want you guys to understand every part of the assignment, but usually there is someone who took lead role on certain portions of the work. That’s what you should explain).
* It is **not** OK simply to write "All group members contributed equally".

**Some additional notes:**

Make sure that you use references when they're needed and follow academic standards.

I **envision *Part 3: Tools, theory and analysis* as the central part of the assignment**, where you basically go through the steps in the analysis. So the structure of this part would be something like

* Explain the overall idea
* Analysis step 1
  1. explain what you're interested in
  2. explain the tool
  3. apply the tool
  4. discuss the outcome
* Analysis step 2
  1. explain what you're interested in
  2. explain the tool
  3. apply the tool
  4. discuss the outcome
* Analysis step 3,
  1. ... and so on until the analysis is done