

# Introduction to Social Data Science: Supervision Sheet 2

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*With this document and the associated exercise, we hope to inspire you to think critically about your project. In particular, we hope that you may uncover significant challenges and barriers at an early point - a point, where you still have time to change direction...*

*Thinking critically about (not only your own project but also) the project of other people will hopefully give you a better idea of how to develop an interesting project that is feasible to carry out within a very limited time frame.*



Do the following exercise where all groups get to be A, B (and C):

1. Group A takes up to 5 minutes to...<sup>1</sup>:
  - (a) Clearly state the groups preferred research question
  - (b) Describe where the group expects to obtain relevant data from
  - (c) Describe how the group will obtain the relevant data
  - (d) Explain how the group will work with these data (machine learning, correlations, other...)
  - (e) Explain how the results could be presented (what could your main graph / table look like?)
  - (f) Explain how the analysis will provide a meaningful answer to the research question
2. Group B (and C) take up to 10 minutes to think and talk about possible barriers and potential improvements to group A's research idea. In particular, they could discuss...:
  - (a) Could the research question be improved? Is it unclear? Difficult to answer within constraints in course?
  - (b) Is it realistic to obtain the data?
  - (c) What could group A do if they do not manage to get their hands on the desired data?
  - (d) Is the suggested methodology meaningful? Is machine learning necessary? Could group A consider other tools that were taught in the course?
  - (e) Does the project allow Group A to demonstrate that they master the learning outcomes in the course description?

If it is more productive to discuss other things, just go ahead! This is just inspiration :)

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<sup>1</sup>Do not worry if you are not certain about these things... Just pretend that you are!