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Final Projects Guidelines

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Grading (ii): Final Project

<mark>**60% of your grade**</mark>

- ☐ You will work on a project that is inspired on the contents of the course
- ☐ This is the final examination
- ☐ Group work *but individual evaluation*
- ☐ It can be done in groups of (maximum) 4 students
- ☐ By the deadline you must submit
  - ☐ Written report
  - ☐ All code + Data used
  - ☐ Recorded video presentation (20 minutes) which will be made available to other students + Slides of the presentation

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Grading (ii): Final Project – Written Report

- Length: 3000 – 4000 words / 6 – 8 pages)
- Report template will be put in MS Teams

- The report must have an authorship statement at the end. An example

AUTHOR CONTRIBUTIONS

All authors conceived and designed the project idea. P.M. and C.J.T. performed the literature review and wrote the introduction. B.S. performed the data collection. Y.Z. and X.Y. analysed the data. B.S. wrote the bulk of the text. All authors discussed and reached the conclusions. All authors revised and accepted the final version of this document.

Projects can be suggested by you!

Pro-active suggestion of topics you find interesting in Network Science.

- Write an abstract (one paragraph), justifying the interest
- *Needs to be approved by the module coordinator*

Otherwise, we will provide a list of possible topics

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What do you need to prepare for a Final Project proposal?

1. Data

Which dataset do you plan to analyse?
Is it available or do you need to obtain it?
Is is synthetic? (coming from a network model)?

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2.1 Is it a model?

Which is the logical unit (agent, node) of your model?

What defines node's state?

Which are the edges/links?

Which is the dynamics you use to update it?

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2.2 Are you using some specific methodology?

What methods do you plan to implement?

Is there existing code?

What is the key literature for the methods?

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3. Research question

Which is the research question you plan to answer by means of this dataset / methods?
Has it been explored in scientific literature?

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3.1 Null model

Will you use a null model to validate the results?
Which one?
Which is the rationale?

4. Bibliography

Research the most relevant scientific literature regarding all aspects of your project

*Who are the team members? or should
we help you to find others?*

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Which are the computational resources
you will need?

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