

Tips on giving talks

This is an introductory seminar in Topological Data Analysis. Each week, two students will give a talk each on their chosen topic. This means you will have to meet and coordinate the contents of your talks.

Each student should talk for approximately 30 minutes. Whoever gives the first talk of the day should generally spend their first 5 minutes recalling the material from the week before. The idea is to use the remaining time for discussion.

The seminar is on Tuesdays. On Friday before you give a talk, you should meet us to discuss your presentation.

Below are some tips on how to prepare a talk for this seminar:

- Read through the literature we suggested. It's okay if you don't understand everything on your first reading.
- Determine the main definitions and the main results. Do you understand them well enough to explain them to your pair?
- Write down the things you understand.
- Write down the things you do not understand, but seem relevant to you.
- Try to understand their relevance.
- Try to understand their content. It helps to discuss it with your peers and maybe to read in other resources.
- Write down a preliminary version of your talk.
- Meet us on Friday before your talk. Explain to us what you understand and ask questions.
- Finalise the talk. Make sure that there is a clear structure (e.g. motivation, repetition of relevant details from previous talks, statement of main result, idea of proof). Make sure that your talk is not too long.
- Write the notes of your talk in the Overleaf project (the deadline for this will generally be the end of the day on the day you give you talk).
- Give the talk, and focus on explaining the things you had trouble with, but now you understand.