

Getting started with a BSc or MSc thesis in the MLI group

Welcome to the group! This document provides some instructions and tips to get started with your thesis.

Last updated: July 2026.

Logistics

Group meeting. We hold weekly group meetings in Room [1903](#). Details on the date, time and program are announced on Slack each week.

In group meetings, you can learn about the field and discuss with the group members. Also we get to know you, and without knowing you, it is difficult to write a good letter of reference, which many students ask for after their graduation.

Slack. Make sure to be added in Slack, information within the group is shared via Slack.

Access to servers. Send Anselm Krainovic (anselm.krainovic@tum.de) an email or a message in Slack to give you access to one of our servers. Include your LRZ-Kennung. Once you have access, here is information on how to use the servers:

https://docs.google.com/document/d/13KV1qDDzAY0pXJ2_IeVmBN4fjOwa_LFtx3ywB8JJk4E/edit?usp=sharing

Access to a workspace. You need to fill out this form to get a key and access to the student room: <https://wiki.tum.de/x/OIIBAw>

Thesis evaluation

Technical work (50%)

- Are the findings reproducible?
- Has appropriate and significant progress on the problem been made given the time?
- Is the work creative, non-trivial, and/or challenging?

Written report (25%)

- Is the thesis well organized?
- Is related literature and work covered well and are references appropriate?
- Is the thesis reasonably easy to understand, free of typos, grammar mistakes, and are concepts, variables, etc well defined?
- Presentation, is it understandable, and can questions on the thesis be answered?

Independence (25%)

- Does the thesis contain an independent contribution?
- Has the student contributed their own ideas and shown initiative, are they regularly providing updates and sharing progress?
- Did the student solve problems and acquire information independently?
- Is the student well organized and makes continued progress and plans next steps well?

Tips for being successful

- Participate in our weekly group meetings (unless your thesis is carried out externally)
- Meet regularly with your supervisor
- Share written progress regularly, ask for feedback and help early
- Use version control
- Discuss with peers about your work

Administrative

Research internship / Forschungspraxis:

- To register the research internship, let us know the tentative title, starting date, your student ID, and the email of the supervisor for an external (outside of our group) project.
- Write a report of no more than 10 pages. If you need additional space, use an appendix. Structure your report like a paper in the respective field (machine learning for most cases).
- For the presentation, prepare a talk of 10 minutes (no more), and 5 additional minutes are for questions. The talk can be scheduled in one of our weekly group meetings, write your supervisor to schedule the date. Please present in person. If you are not able to for a good reason, zoom is acceptable.
- Once you are done with a research internship, fill out this <https://portal.cit.tum.de/login.php?r=ZGUvUHJvamVjdHN0dWRpZXM=>

Master/Bachelor thesis:

- To register the thesis, let us know the tentative title, starting date, language of the thesis, and your student ID. Also let us know the email of the supervisor for an external (outside of our group) thesis.
- Structure your thesis like a paper in the respective field (machine learning for most cases). Papers are usually about 10 pages with unlimited appendix for details. Prioritize quality over quantity.
- For the presentation, prepare a talk of 10-15 minutes (no more), and 10 additional minutes are for questions. The talk can be scheduled in one of our weekly group meetings, write your supervisor to schedule the date. Please present in person. If you

are not able to (e.g., if you are doing your thesis abroad and are not able to present in person), presenting via zoom is acceptable.

IDP:

- Structure your thesis like a paper in the respective field (machine learning for most cases). Papers are usually about 10 pages with unlimited appendix for details. Prioritize quality over quantity.
- Add a contribution section that explains precisely which group member did what.
- For the presentation, prepare a talk of 10-15 minutes (no more), and 10 additional minutes are for questions. The talk can be scheduled in one of our weekly group meetings, write your supervisor to schedule the date. Please present in person. If you are not able to (e.g., if you are doing your thesis abroad and are not able to present in person), presenting via Zoom is acceptable.