Master Seminar: Deep Learning for Medical Applications

Presentation and Blogpost Guidelines

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Logistics

- Presentation: 20 Minutes
- Q&A: 5-10 Minutes
- Number of Slides: Approximately 20-25
- Attendance is mandatory for at least 90% of the sessions.
- Presentation + Blogpost Submission: Latest 2 weeks after your presentation
Steps to Success (I): Independent Research

1) Read the paper assigned to you.

2) Investigate complimentary material that might give you more insight on the task and method at hand.

3) Read Blogposts, watch videos and lectures and look for code repositories complimenting the paper assigned to you.

4) Note down any potential questions and parts of the paper that remain unclear after your independent research.

5) Prepare a first version of your presentation using this guide.
6) Send the first version of your presentation to your advisor AT LEAST two weeks before your presentation.

7) Arrange a meeting with your advisor in order to receive their feedback and ask any questions that remained unclear after reading the paper.

8) Iterate over your presentation until you reach a final version.

9) Rehearse a few times before the day of your presentation to ensure your timing and slides are in order.
Steps to Success (III) - Finalize

10) Disseminate your presentation in a Blogpost.

10) Address the received questions and discussion points after your presentation.

11) Share your blogpost with your advisor and integrate their feedback in the final version.

12) Make sure to submit everything on time!
Presentation Structure (I)

1) Introduction
   - Problem statement
   - Motivation
   - Briefly mention related works

2) Methodology
   - Detailed explanation of the method proposed in the paper
   - How does the proposed method differ from previous works
Presentation Structure (II)

3) Experimental Setup
   - Datasets
   - Evaluation baselines
   - Training setup

4) Results and Discussion
   - Selected results that show the effectiveness of the proposed method
   - Raise discussion points based on the results
   - Potential drawbacks/challenges of the method
Presentation Structure (III)

5) Conclusion and Future Work

- Open questions
- Applicability of the method to different fields
- Own view of the paper
- Lessons learned
Important Points

• Encourage the audience to engage in discussion after your presentation.

• Talk about open questions and share your own view of the paper and its potential future impact.

• In order to maintain the interest of the audience make sure the storyline of your presentation is engaging.

• Proofread your presentation and do not copy-paste statements directly.

• You can use figures from other sources but always make sure to cite them.
References

• The citations should be placed at the footer of the slide they are being mentioned.

• Full list of authors, title, conference/journal of publication and year should be mentioned.

• An example can be found in [1].

Blogpost

- Length: Around 1000-2000 Words
- Structure: Similar to the presentation. Should sum up the paper and with highest emphasis in:
  - Problem Statement
  - Methodology
  - Results and Discussion
Blogpost

• Advice:
  – https://www.fast.ai/2019/05/13/blogging-advice/

• Check out these blogs:
  – https://bair.berkeley.edu/blog/
  – http://ai.stanford.edu/blog/
  – https://blog.ml.cmu.edu/
Good Luck!

Feel Free to Contact Us for Questions

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