Master Thesis Writing Tips

check list

- bibliography is complete and consistent in style
- Consistent capitalization in section and table heading
- make sure figures and equations have high resolution
- Use your own figure as much as possible
- Do not repeat content except for the abstract

Difference from Standard Paper

- but avoid placing too much emphasis in the background (your contribution should stand out the most)
- More self-contained/tutorial like
- Introduction should avoid "list of contribution" approach

Do I need a Background section?

- Disconnected background topics
- Previous works that are highly related to the proposed model
- Make sure you still have enough technical content in the main chapters

Where to place literature review?

- serves as motivation — Introduction: general review
- serves as background/preliminaries — Literature Section: technical review
- papers close related to the chapter specific content — Chapter subsection

Naming Convention

- Title — avoid combining topics using "and"
- Chapters & Subsection — subsection title should be informative

Overall Organization

- Introduction: a preview of the thesis
  - background
  - challenge — give some example
  - general problem statement
  - overview of idea
    - do not directly use list of contribution
    - recommendation: one subsection for each sub-topic
- What chapters to include?
  - Topics related to main material
  - Isolated topics can be mentioned in Discussion
- Finding connection between chapters — In method chapters, avoid repeating the introduction
- Conclusion: Discuss the interconnection
  - summary: connection discussion (avoid repeating introduction)
  - limitation
  - future works

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