

# Presentation of the Research

## Chapter 7 Research Techniques

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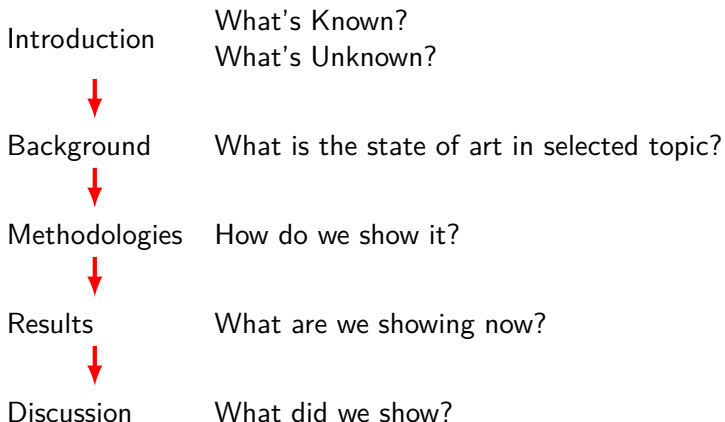
## 1 Structure of Report Writing

- Introduction
- Background and Literature Review
- Research Questions/Problem Statements
- Methodology
- Evaluations and Discussions
- Conclusions
- References
- Abstract

## 2 Presentation

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- Did you **highlight** the **novelty?**

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- Organize these by logical and reasonable ideas, **not simply by time/author, etc**
- Is the **background** **clear enough?**
- Is the **literature review** **well organized and enough?**

# Research Questions/Problem Statements

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- Will readers be convinced to **agree** with your **view on the problems, about the originality, novelty and applicability?**
- Did you refer to some **literature references** to **convince your points?**

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- Can **readers** clearly understand your solutions?
- Did you **mention** the experimental conditions and limitations?

# Evaluations and Discussions

- **Analyze:** your experimental results and evaluate your assumptions/performance of solutions
- **Focus** on the positive contributions of the results, also **explain** the negative results
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- **Reasonably discuss** the limitations of your solution, **focus** on the scale of the applicability
- Did you **thoroughly**
  - evaluate the experimental results?
  - discuss the relevant issues, such as limitations, flaws, etc?

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- **Future research:** let other researchers pick up relevant work and follow your tracks
  - Feasible? Reasonable?

# References

- Closely tied to the literature reviews in previous sections
- Examiners usually scan this list looking for important works in the field, which may be considered as a preliminary assessment
- Do not just list them, make sure you have referred them in the main body!
- **Organize** order of citation in your research: according to refereed reference style

- General introduction of the background
- Briefly introduce the problem you want to address
- Summary of your solution and methodologies
- State a bird view of your results/conclusions
- Highlight your novel ideas and main contributions

# Presentation

- Introduction with problem statement
- Objectives
- Research question (if necessary)
- Summary of literature review with research gap **select baseline literature**
- Methodology: **Choice of Algorithms with reasons**
  - why do you choose and how does it differ from the state of the art?
- Block diagram with an explanation of each block
- Data collection (How many? and from where?)
- Expected outcome (with example)