Some Notes on Presenting Algorithms Seminar

Tijn de Vos

Department of Computer Science University of Salzburg



November 3rd 2021

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Different situations

- Different situations
- Put in some effort!

Image: A mathematical states and a mathem

- Different situations
- Put in some effort! Or at least once

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- Different situations
- Put in some effort! Or at least once
- Practice, Practice, Practice





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Some Notes on Presenting

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#### Four aspects



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#### Four aspects





Oidactics

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#### Four aspects

- Execution
- Structure
- Oidactics
- Omprehension of the material

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• Three types of core variables:

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- Three types of core variables:
  - Verbal

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  - **(** Verbal: understandability, choice of words, relevance, *structure*

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  - **()** Verbal: understandability, choice of words, relevance, *structure*
  - 2 Paralingual

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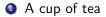
- Three types of core variables:
  - **1** Verbal: understandability, choice of words, relevance, *structure*
  - 2 Paralingual: articulation, volume, speed, intonation, filler words

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  - **1** Verbal: understandability, choice of words, relevance, *structure*
  - Paralingual: articulation, volume, speed, intonation, filler words
  - In Non-verbal

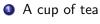
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- Three types of core variables:
  - **1** Verbal: understandability, choice of words, relevance, *structure*
  - Paralingual: articulation, volume, speed, intonation, filler words
  - Son-verbal: eye contact, hand movement, body language, posture



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Image: A matrix



Introduction

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- A cup of tea
- Introduction
- Ontent, divided in sections

- A cup of tea
- Introduction
- Ontent, divided in sections
- Onclusion

• Support your narrative

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- Support your narrative
- Do not use the blackboard

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Image: A mathematical states and a mathem

- Support your narrative
- Do not use the blackboard, unless you know what you're doing

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- Support your narrative
- Do not use the blackboard, unless you know what you're doing
- Keywords, not sentences

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- Support your narrative
- Do not use the blackboard, unless you know what you're doing
- Keywords, not sentences
- Connect with your slides

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- Do not use the blackboard, unless you know what you're doing
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- Connect with your slides
- Use relevant illustrations

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- Connect with your slides
- Use relevant illustrations
- Use notes/comments

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- "handout"

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- "handout"
- Show progress

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• Interaction & Questions

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- Examples

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- Verbal punctuation

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- Visual vs audial learners

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- Examples
- Verbal punctuation
- Visual vs audial learners
- When repeating: rephrase

### Didactical aspects of a talk

- Interaction & Questions
- Examples
- Verbal punctuation
- Visual vs audial learners
- When repeating: rephrase
- Balance formal treatment and intuition

Comprehension of the material

• Know the paper

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## Comprehension of the material

- Know the paper
- Know more than you are teaching

# Comprehension of the material

- Know the paper
- Know more than you are teaching
- Predict questions

#### • Practice multiple times, with an audience

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Image: A matched by the second sec

- Practice multiple times, with an audience
- Bring something to drink

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- Practice multiple times, with an audience
- Bring something to drink
- Bring the article

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- Practice multiple times, with an audience
- Bring something to drink
- Bring the article
- Bring props

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- Bring props
- Make it personal

- Practice multiple times, with an audience
- Bring something to drink
- Bring the article
- Bring props
- Make it personal
- Last slide with your message: contributions/summary

# Recap

- Execution
- O Structure
- Oidactics
- Omprehension of the material

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# Recap

- Execution
- O Structure
- Oidactics
- Omprehension of the material
  - Repeat the most important parts