

Agenda

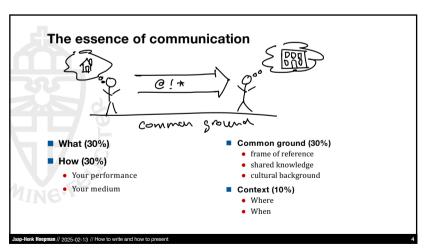
On communication

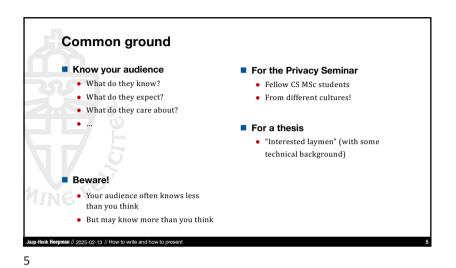
How to present

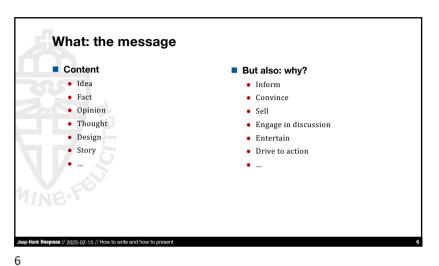
How to write

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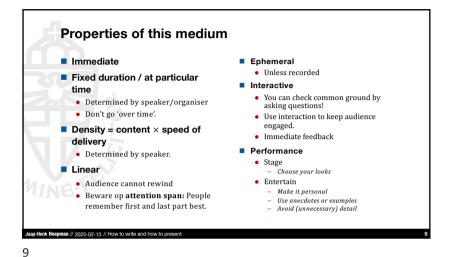




How to present

Any examples of good or bad presentations?
Why were they good/bad?

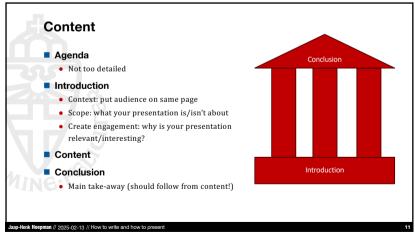
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Structure

Introduce yourself!
Introduce main take-away
Set context/conditions
Assumption on audience
Questions during or after presentation?
Main content (see next slide)
Confirm main take-away
Thank audience!
Open floor for questions/discussion

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Repeat/recall definitions **Form** Decide on medium Slides Slides? • Use section slides (follow agenda) · Chalkboard/whiteboard? • Use images/figures/tables; but don't use images "just because" • Demo? · Beware of "shopping lists" · Something else... · Don't put too much information on one slide; do not use long ■ Medium should support your sentences (like this one ;-) message ■ Chalkboard/whiteboard • Focus on the essence For proofs Sketching Attract! Engage! Jaap-Henk Hoepman // 2025-02-13 // How to write and how to pr

There are always exceptions (GDPR art. 6) 1. Processing shall be lawful only if and to the extent that at least one of the following applies:

- (a) the data subject has given consent to the processing of his or her personal data for one or more specific purposes;
- (b) processing is necessary for the performance of a contract to which the data subject is party or in order to take steps at the request of the data subject prior to entering into a contract;
- (c) processing is necessary for compliance with a legal obligation to which the controller is subject;
- (d) processing is necessary in order to protect the vital interests of the data subject or of another natural person;
- (e) processing is necessary for the performance of a task carried out in the <u>public interest</u> or in the exercise of official authority vested in the controller,
- (f) processing is necessary for the purposes of the <u>legitimate interests</u> pursued by the controller or by a third party, except where such interests are overridden by the interests or fundamental rights and reddoms of the data subject which require protection of personal data, in particular where the data subject is a child.

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Delivery It's a show! ■ Rehearse · Bring energy... • Does the order make sense? ... in a way that fits you • Or did you feel you forgot to Speak clearly/confidently explian something? · Not too fast or too slow • Or are you all over the place ('van Use speaker notes de hak op de tak springen')? • Keywords only; do not fully script your presentation • But do not over-rehearse · If your nervous: script introduction (to ■ Time your presentation get you rolling) • 1 slide ~ 1-2 minutes Attract / Engage · Look audience in the eyes Practice makes perfect Don't literally repeat what is on the slide · You will get better over time Ask questions / use quizes / ... Jaap-Henk Hoepman // 2025-02-13 // How to write and how to present 14

Student lecture: grading

Content

Argumentation and Depth

 Whether your lecture provides a solid basis and backing of all statements and claims made, and whether it covers all important topics in sufficient detail.

Intelligibility

- Whether the message comes across, whether your lecture connects to what your audience expects and understands, how well you explain certain topics.
- Comprehensiveness
- Whether your lecture covers all important aspects, and clearly separates important issues from secondary details. Equal attention should be paid to technical and legal/societal issues.

Form and performance

Structure

 Logical ordering of your lecture, the relationship between the topics.

Attractiveness

 Whether your lecture captivates the audience, your use of supporting materials (e.g. powerpoint).

Delivery

- Level of engagement and contact with the audience, your presence in front of the class, the liveliness and tone of your lecture
- Interaction
 - Level of interactivity, the way you respond to questions.

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How could I have improved this presentation?

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Examples of good / bad papers?

How is writing different from presenting?

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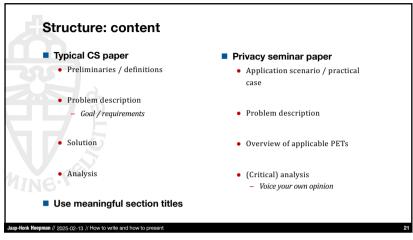
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Properties of this medium Asynchronous Permanent No duration or fixed time ■ Non-interactive · Reader decides • Preempt any possible questions ■ Density = content × length • No immediate feedback · Determined by writer. Nonlinear Performance? Yes: indirect. · Reader can go back & forth • Choose your writing style · Reader may start anywhere Engage - Abstract, in the middle, or at ★ Use (personal) anecdotes or the conclusions Use layers ★ Avoid (unnecessary) detail - General idea vs details/proofs Jaap-Henk Hoepman // 2025-02-13 // How to write and how to present

Structure ■ Title / authors Introduction · Careful with fancy titles • Context / Problem / Relevance / Capture essence of content Contribution · Can already mention state of the art Authors · Reading guide (can be woven · Decide on order through introduction) · Authors must have significantly contributed! ■ Main body: two options Abstract • State of the art -> content Concise · content -> state of the art Context Problem ■ Conclusions/discussion Why relevant Should logically follow from main Contribution · Sells the paper Bibliography • No references/footnotes Jaap-Henk Hoepman // 2025-02-13 // How to write and how to pr

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Structure: final remarks Indicators of poor structure · Sections of very uneven length • Sections with one subsection • (One paragraph sections) · Content doesn't match section title · Different kinds of content within one section Finding good structure is an iterative process Jaap-Henk Hoepman // 2025-02-13 // How to write and how to pres

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Form / writing style Be yourself! Avoid hyberbole ■ Introduce concepts before Avoid long sentences using them · Especially if English is not your mother tongue • Introduce abbreviations once • But remind occasionally ■ First person perspective - Remember: people do not read • "I/we .." (not "This paper ..") linearly! - Refer back! Active voice • "We studied.." (not "Research has been performed...") Avoid repetition 23

Form / writing style Every section has a purpose Introduce/explain first, then define Make this explicit: "In this section..." • Informal introduction/explanation helps understanding the formal • Do not start a section with a protocol/formula/definition subsection immediately

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Formatting Page layout 10-12 words per line Serif font for body text, not too small (10-11pt) Not too cramped (interline space) Reasonable margins (people take notes)

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Formatting (cont.) [1] H. Abelson et al. Keys Under Doormats. Mandating insecurity by requiring government access to all data and communications. report MIT-CSAIL-TR-2015-026. MIT, July 6, 2015. Bilbiography [2] S. Altay, M. Berriche, H. Heuer, J. Farkas, and S. Rathje. "A survey of expert views on misinformation: Definitions, determinants, solu-Author(s) tions, and future of the field". In: Harvard Kennedy School (HKS) Mis-Title information Review 4.4 (July 27, 2023). [3] D. Chaum. "Security without Identification: Transaction Systems to Book make Big Brother Obsolete". In: CACM 28.10 (1985), pp. 1030-1044. [Series], publisher [4] S. Chokhani. "Toward a national public key infrastructure". In: IEEE Journal Communications Magazine 32.9 (1994), pp. 70-74. Iournal name, volume, number, [5] B. Jacobs. "The authenticity crisis". In: CLSR 53 (July 2024). [6] S. van der Linden. "Misinformation: susceptibility, spread, and interventions to immunize the public". In: Nature Medicine 28 (Mar. Proceedings 2022), pp. 460-467. Conference title, editors, publisher, [7] H. K. Maji, M. Prabhakaran, and M. Rosulek. "Attribute-Based Signa-[pages] tures". In: CT-RSA 2011. The Cryptographers' Track at RSA Confer-Year ence (San Fransisco, CA, USA, Feb. 14-18, 2011). Ed. by A. Kiayias. • [URL/DOI] LNCS 6558. 2011, pp. 376-392. [8] J. N. Matias. The Real Name Fallacy. Jan. 3, 2017. URL: https://coral project.net/blog/the-real-name-fallacy/.

[9] A. J. Menezes, P. C. van Oorschot, and S. A. Vanstone. *Handbook of* See https://dblp.uni-trier.de Applied Cryptography. Boca Raton: CRC Press, 1996. Jaap-Henk Hoepman // 2025-02-13 // How to write and how to pre

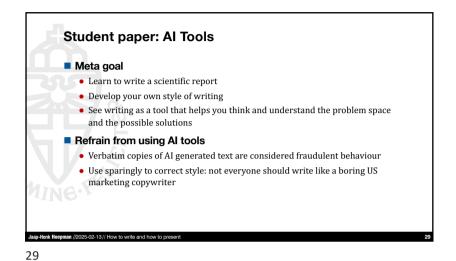
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Review

• Erase your mind
• Pretend you see the paper for the first time
• Pretend someone else wrote it
• Be like your intended audience
• Review individual sections
• But don't review too often!
• Be ready to kill your darlings
• Find a proof reader
• Review each other's work

This was the theory Practice is always messy Sometimes it helps to restart from scratch You learn while writing/making presentations: goals, content, ideas change in the process ■ Plan your work realistically . I often start with a dump of ideas/thoughts • Especially for longer pieces (book, thesis) Powerpoint Mindmap • 400-500 words/hour; 1500-2000 · And then turn this into a skeleton words/day • Once you are in a flow continue writing; don't aim for perfection straight away

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Student paper: grading Form Content (Technical) quality
 Whether the paper shows an understanding of the (technical) issues involved. Correctness of all (technical) statements and claims. Clarity of writing, objectiveness, linguistic quality (in terms of spelling and grammar). Structure Logical structure of the paper, helping the reader understand what he is about to read, giving the paper a natural flow. Whether a proper argumentation is given, and whether all main aspects of the topic are addressed, with proper regard of what are the main points and what are only secondary points. (This covers the criteria argumentation, depth and intelligibility, and comprehensiveness used for scoring the presentation.) Attractiveness Formatting of the paper, including precise formatting of the bibliography. Quality of references Whether you found and cite all relevant literature. Originality (finding relevant references yourself) is appreciated. Own opinion Whether the paper clearly expresses and argues your own oninion on the subject matter. Jaap-Henk Hoepman // 2025-02-13 // How to write and how to present