Oral (Scientific) Presentations

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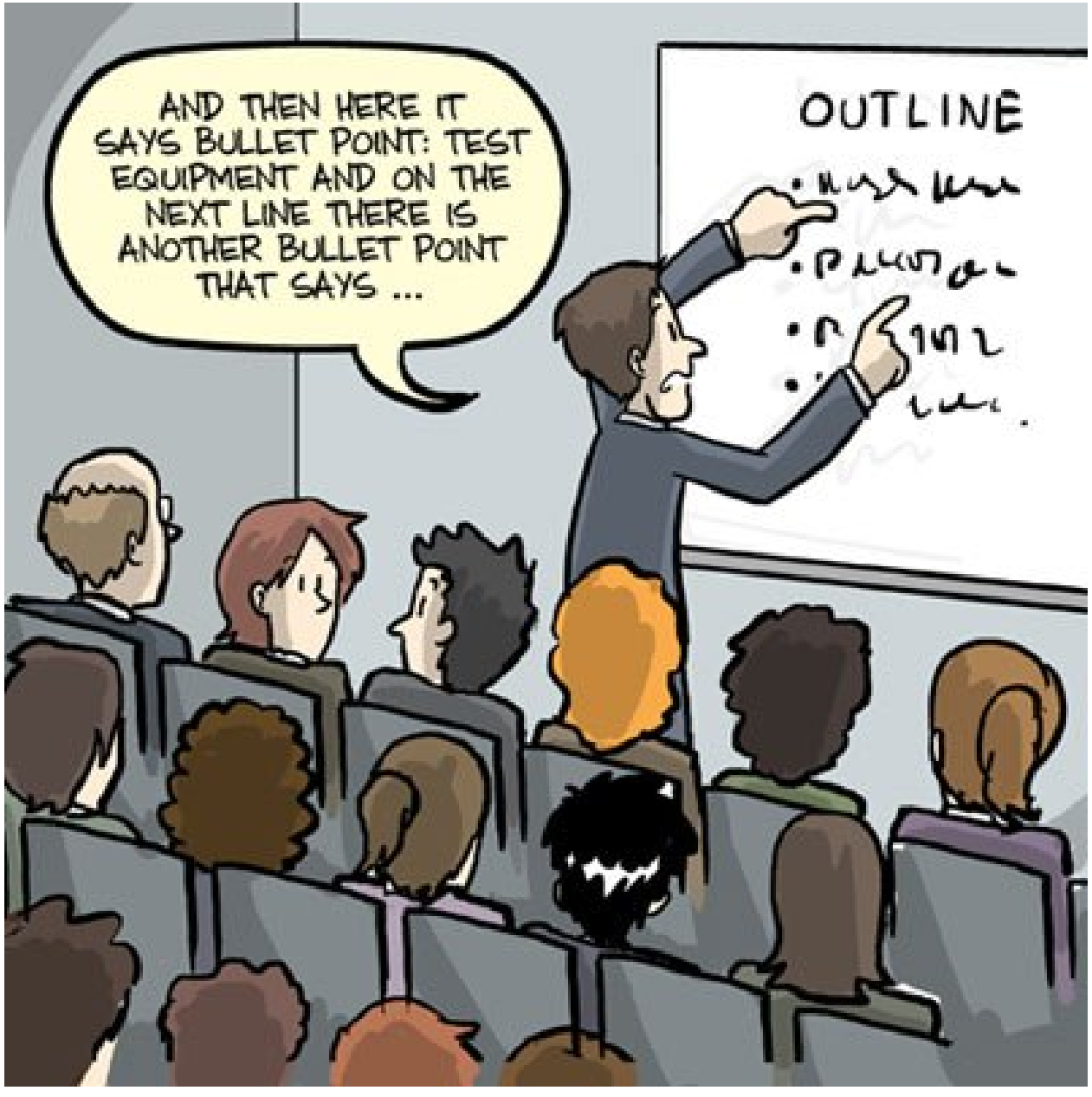
Summer Semester Seminar

15th May 2019


AND THEN HERE IT SAYS BULLET POINT: TEST EQUIPMENT AND ON THE NEXT LINE THERE IS ANOTHER BULLET POINT THAT SAYS ...
OUTLINE

What follows is not
a scientific presentation!

Outline

Introduction

Before starting to prepare a presentation...

think on:

1. The topic
2. The audience
3. The time

Introduction

Before starting to prepare a presentation...

think on:

1. The topic
2. The audience
3. The time

4. The content & structure

Introduction

A talk is a story

Introduction, Development, and End

Content & Structure

Content & Structure

Introduction, Development, and End

A talk is a story

with a trailer and maybe a spoiler

Content & Structure

Introduction with trailer and spoiler

1. Front slide(s)
   - Who (collaborators too!) and **what**
   - Attention getter?

Content & Structure

Introduction with trailer and spoiler

1. Front slide(s)
   - Who (collaborators too!) and **what**
   - Attention getter?
2. Table of contents

Content & Structure

Introduction with trailer and spoiler

1. Front slide(s)
   - Who (collaborators too!) and **what**
   - Attention getter?
2. Table of contents
3. Introductory section
   - Attention getter?
   - **Need** and task
   - (Main message and preview)

Content & Structure

Development

1. **Task definition**

Content & Structure

Development

1. **Task definition**

2. Your approach, **key idea**

Content & Structure

Development

1. **Task definition**
2. Your approach, **key idea**
3. Theory, model and **results**

Content & Structure

End

1. **Sum up** your main conclusions
2. Which are the **strong points** (as compared to others)
3. How are you going to improve your **weak points**
4. Any **further work**?
5. **Thanks**

Content & Structure

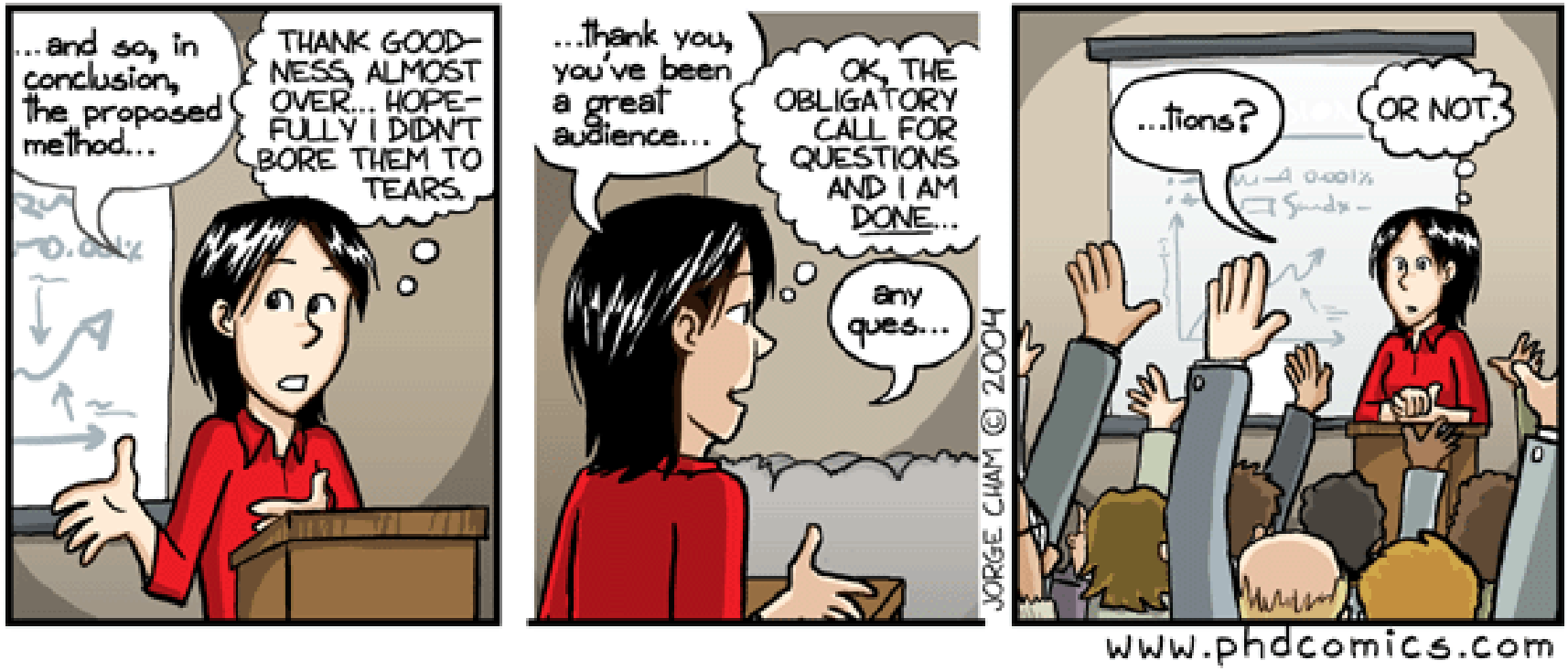
A talk is a story

Introduction, Development, and End

20-30%, 60-70%, and 10%

Content & Structure

End?



Content & Structure

End?

- Back-up slides
- Leave time for questions
- Learn from others

Tips & Recommendations

Tips & Recommendations

As a rule of thumb...

- Be **confident** (but not pedant),
  noone knows more about your talk than you
- Use common sense and, in general,
  - **1 slide per minute**
  - **Visuals** (doesn't mean animations!)
  - **Examples**

Tips & Recommendations

Verbal and nonverbal communication

- Make **eye contact**, don't talk to the screen
- Do **not hide** behind the computer and read

Tips & Recommendations

Verbal and nonverbal communication

- Make **eye contact**, don't talk to the screen
- Do **not hide** behind the computer and read
- Speak **loud** and,
- **change** your pitch, rhythm, and timbre

Tips & Recommendations

Verbal and nonverbal communication

- Make **eye contact**, don't talk to the screen
- Do **not hide** behind the computer and read
- Speak **loud** and,
- **change** your pitch, rhythm, and timbre
- Do **not rush**, especially towards the end
- Make **pauses**, you can use the ToC

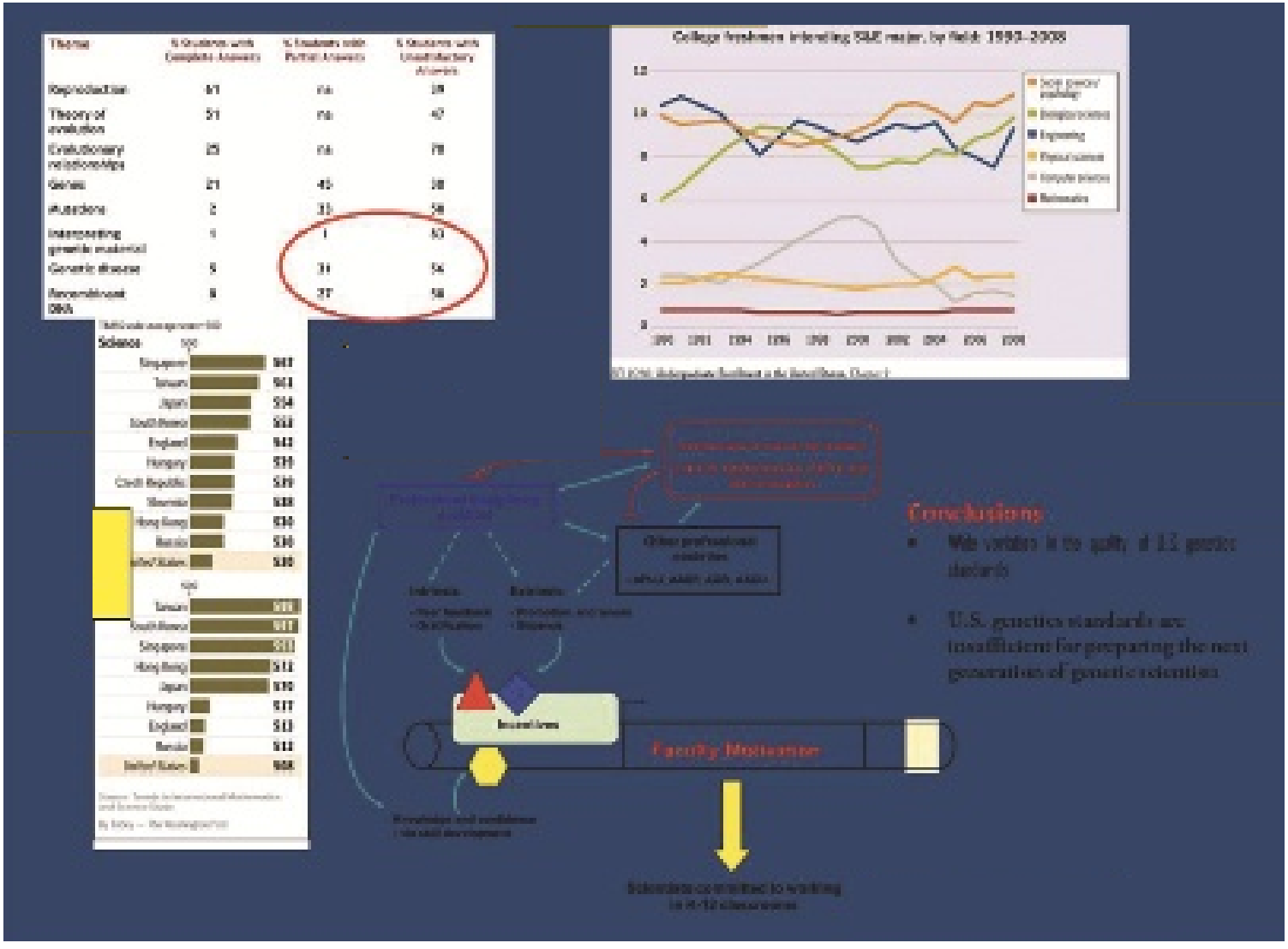
Tips & Recommendations

Visual communication

- One idea per slide
- High contrast
- Few text (and summarised)
- Large (and simple) font

Tips & Recommendations

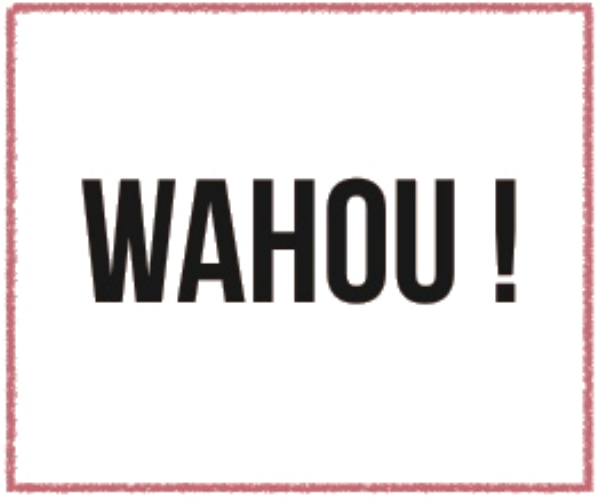
Visual communication: One idea per slide



Tips & Recommendations

Visual communication: Density of text

This is a document.



This is a slide.

Tips & Recommendations

Visual communication: Contrast, Font size

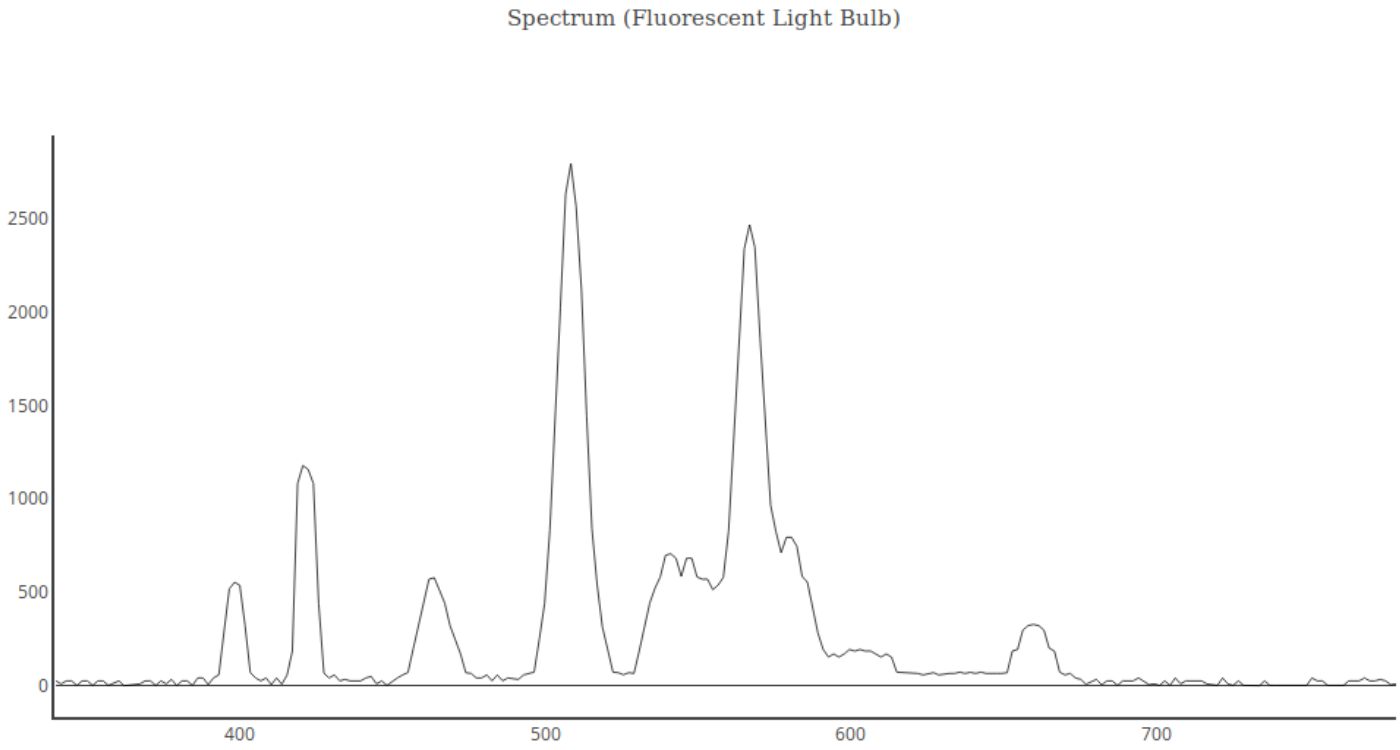
Tips & Recommendations

Specific to scientific talks

- Readable plots with axis and labels
- Readable tables
- Non-misleading information
- Acknowledge other's data

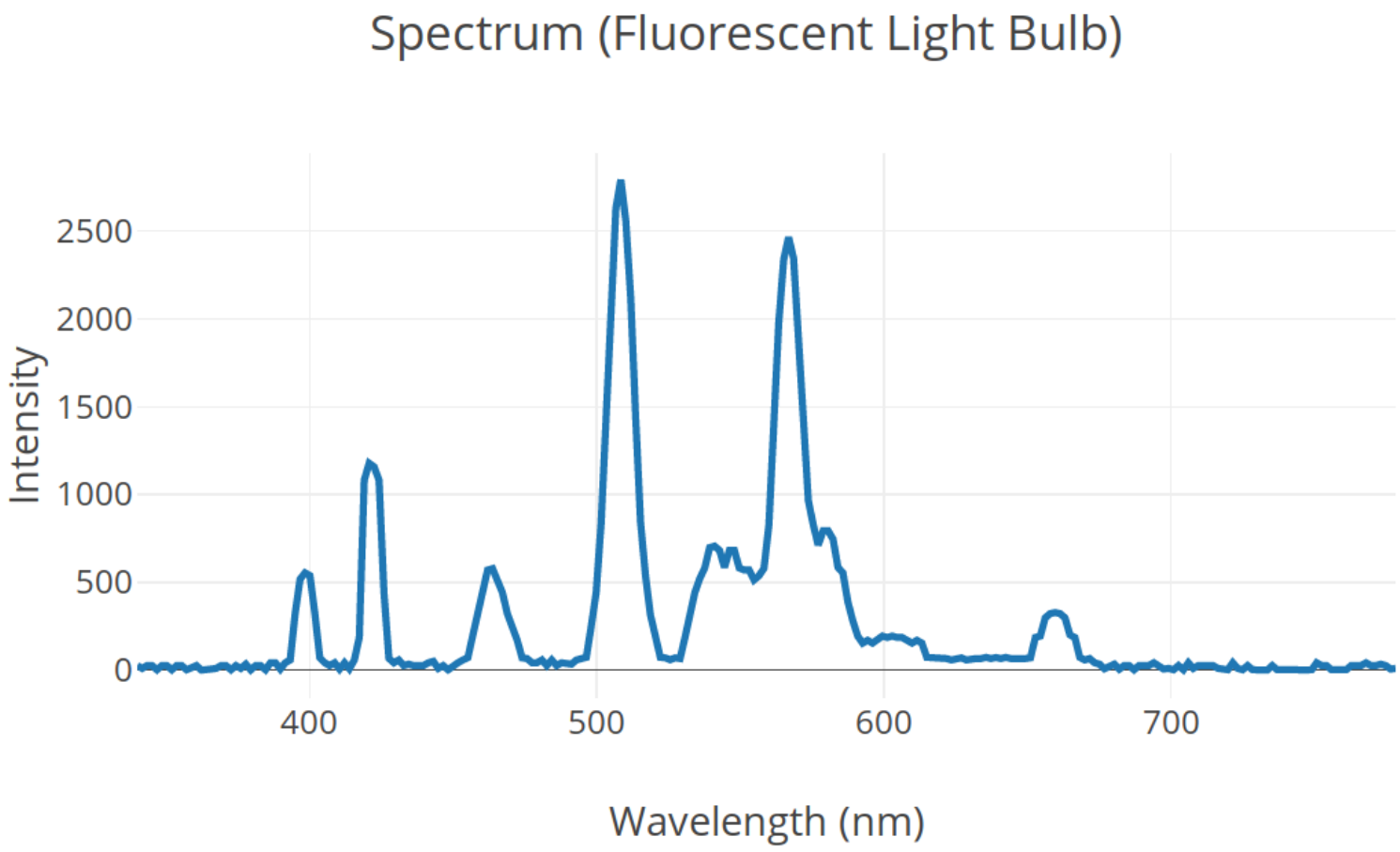
Tips & Recommendations

Visual: Clear plots



Tips & Recommendations

Visual: Clear plots



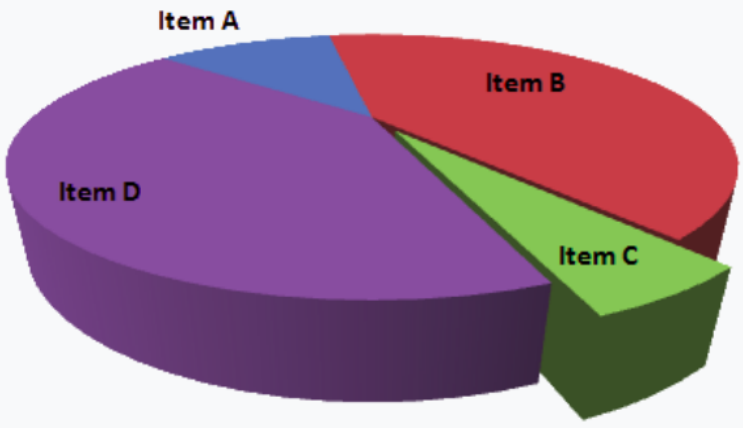
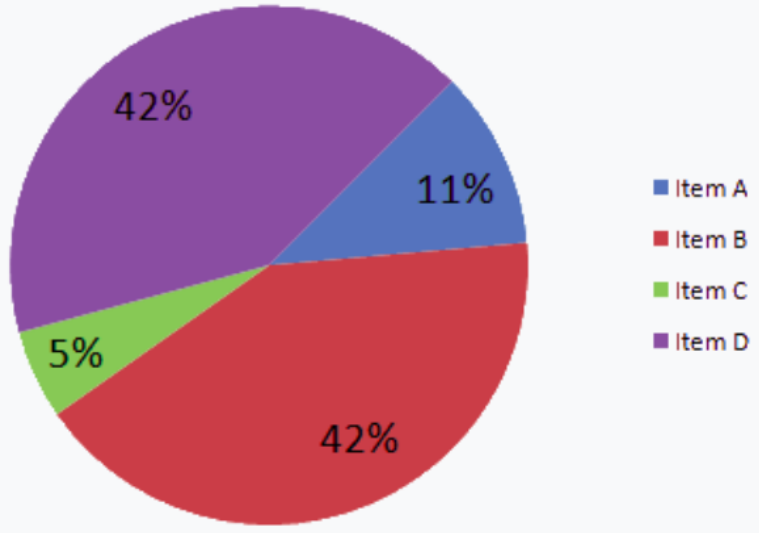
Tips & Recommendations

Visual: Clear tables with comprehensible data

	beam size		factors + 4-ensembles (beam size 10)						
	w5	w10	w	wb	wt	wpsmb	wpsm (SUB1)	wpsmt (SUB2)	wpsmbt (SUB3)
de2it	18.02	19.20	19.78	20.28	19.67	**20.35**	20.10	20.05	20.33
it2de	18.05	19.49	19.90	20.42	20.30	20.22	20.42	20.06	**20.45**
de2nl	18.82	21.11	21.75	22.51	21.62	21.73	**22.29**	22.10	21.90
nl2de	18.82	20.76	21.52	21.99	21.56	**22.04**	21.81	21.99	21.77
de2ro	15.85	17.57	18.23	18.46	18.19	**18.60**	18.23	18.00	18.40
ro2de	18.56	20.05	20.87	21.23	20.78	21.34	**21.49**	21.12	21.41
de2en	30.11	31.67	32.65	32.97	32.71	33.34	33.11	32.91	**33.51**
en2de	24.61	26.06	27.02	27.26	26.97	27.36	27.15	27.10	**27.44**
en2it	26.33	27.90	28.88	**29.35**	28.69	29.06	28.99	28.94	29.34
it2en	31.22	32.56	33.46	33.20	33.25	33.49	33.53	33.33	**33.87**
en2nl	28.60	30.24	31.27	31.08	31.26	30.80	30.90	31.17	**31.44**
nl2en	33.86	35.39	36.20	36.57	36.03	36.92	36.82	36.55	**37.40**
en2ro	23.65	25.28	26.38	26.18	25.76	26.37	25.85	26.08	**26.47**
ro2en	32.02	33.59	34.34	34.82	34.34	**35.31**	34.87	34.89	35.09
it2nl	19.03	21.05	21.58	21.91	21.48	21.41	**21.79**	21.77	21.54
nl2it	19.80	21.23	21.72	21.97	21.71	21.81	21.61	**21.84**	21.83
it2ro	16.42	18.14	19.16	18.94	18.68	**19.51**	19.29	19.13	18.73
ro2it	17.37	19.50	20.04	20.84	20.28	20.60	**20.94**	20.74	20.32
nl2ro	17.28	18.42	19.09	19.39	19.07	19.35	19.09	**19.45**	19.42
ro2nl	19.28	21.21	21.70	21.65	22.00	22.21	**22.61**	22.20	22.50
Concatenation	22.68	24.31	25.08	25.32	25.01	25.38	25.33	25.30	**25.46**

Tips & Recommendations

Visual: Non-misleading visualisations!

Misleading pie chart	Regular pie chart
	

https://en.wikipedia.org/wiki/Misleading_graph

References & Remarks

References & Remarks

Where to know more

- Publishers such as Springer or Elsevier have tutorials
- Learn by listening to others
- We will go through the beginning of Seppo Karrila's slides
- If we have time, we'll go through Lucia Dettori talk
  `www.uvm.edu/~aellis5/Dettori.2007.Research.talk.101.ppt`

References & Remarks

Your second seminar exercise

1. The topic
2. The audience
3. The time

References & Remarks

Your second seminar exercise

1. The topic
   assigned paper

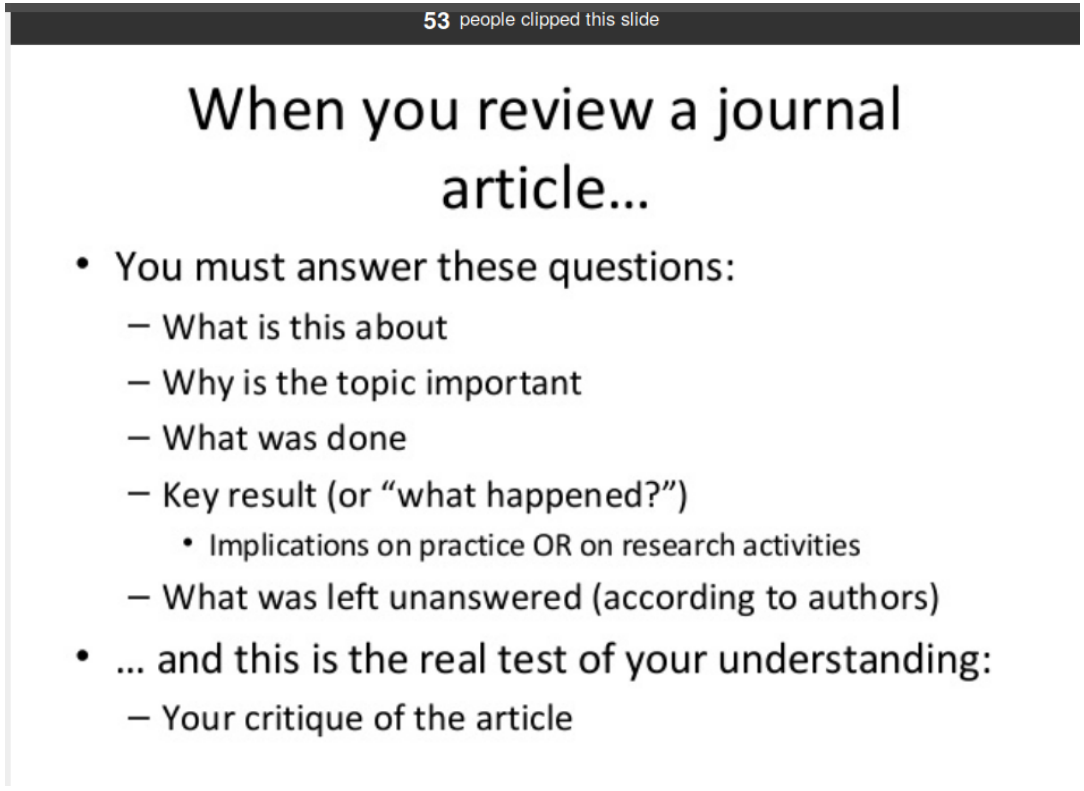
2. The audience
   students (assume no previous knowledge on the topic)

3. The time
   35m + questions

4. The content & structure
   detailed! –not a research talk yet

References & Remarks

Your first seminar exercise



https://www.slideshare.net/Skarrila/how-to-review-a-journal-paper-and-prepare-oral-presentation

Thanks!

Questions?

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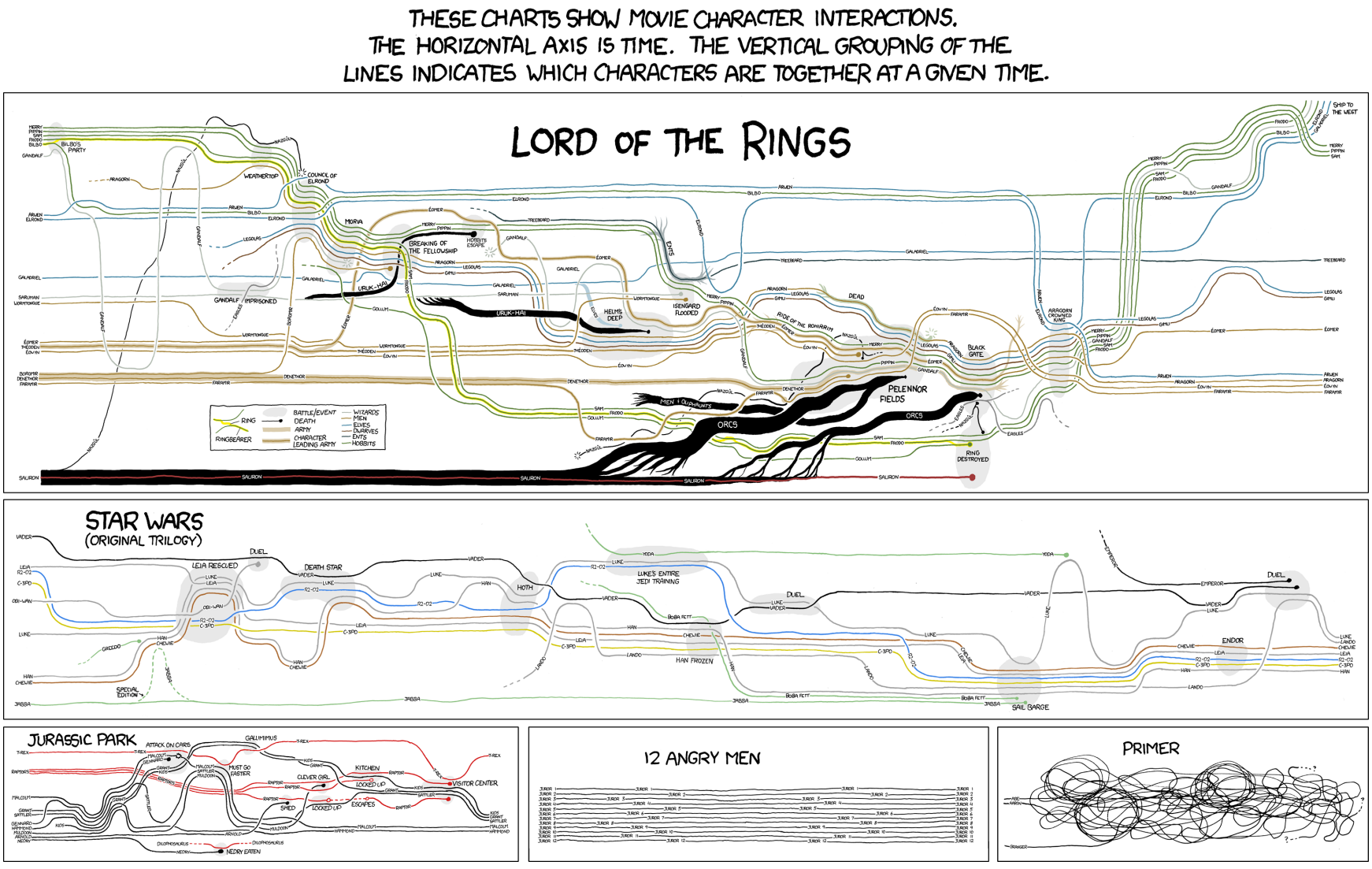
Back-up slides

Tell a story... but be careful!



https://xkcd.com/657/