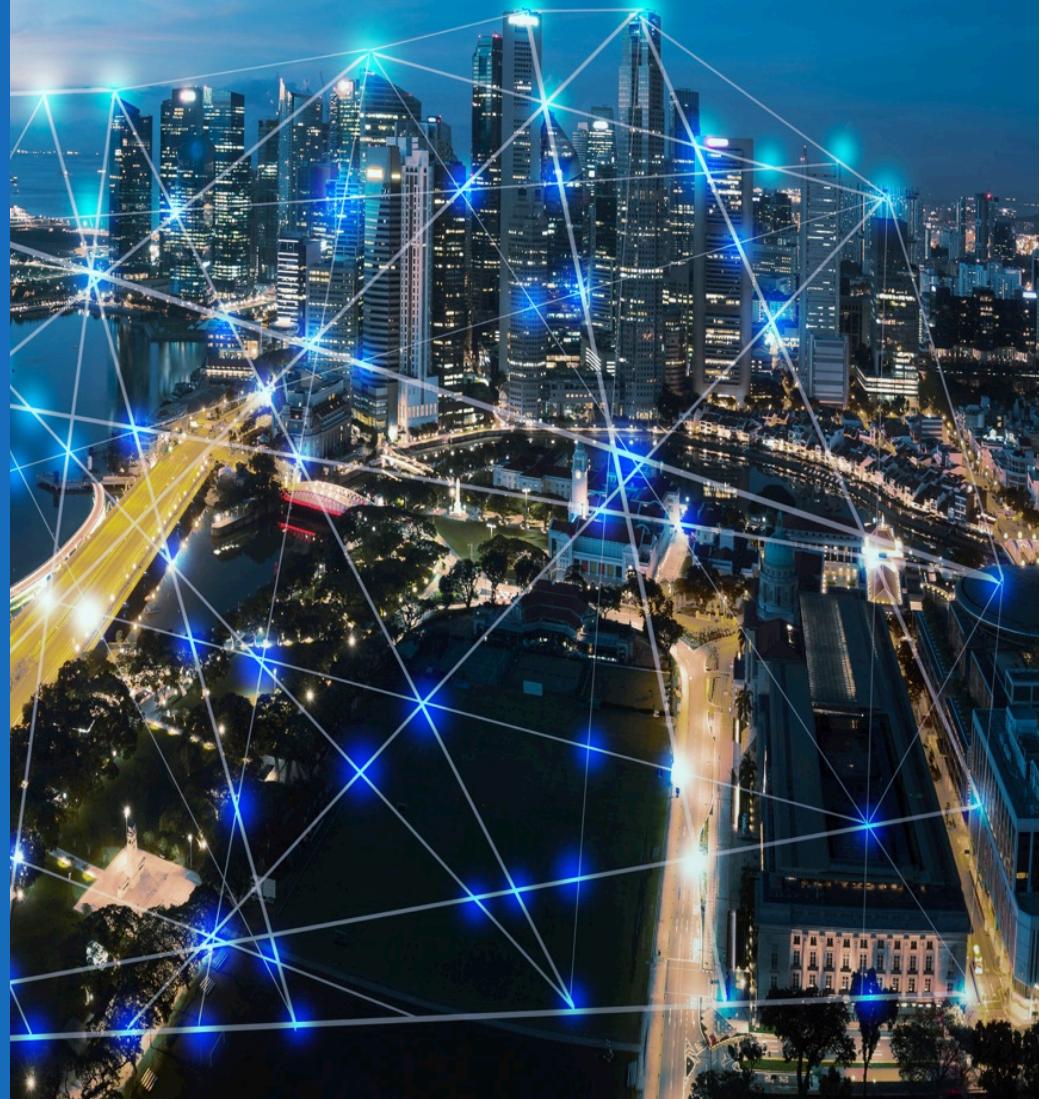
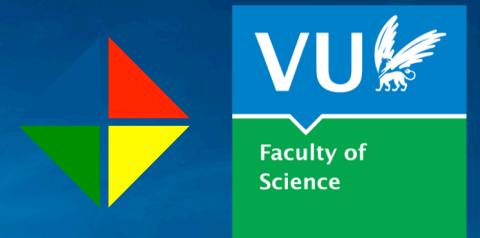


Teaching and Instructional Work

Patricia Lago

Vrije Universiteit Amsterdam

Presented at: ICSE 2019 New Faculty
Symposium



Disclaimer



Repeat with me:
“I am not super-human”



Is it really true that teaching and research are
equally important?



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equally important?



Good practice:
Combine research & teaching as must as possible



If you **like** teaching: awesome!

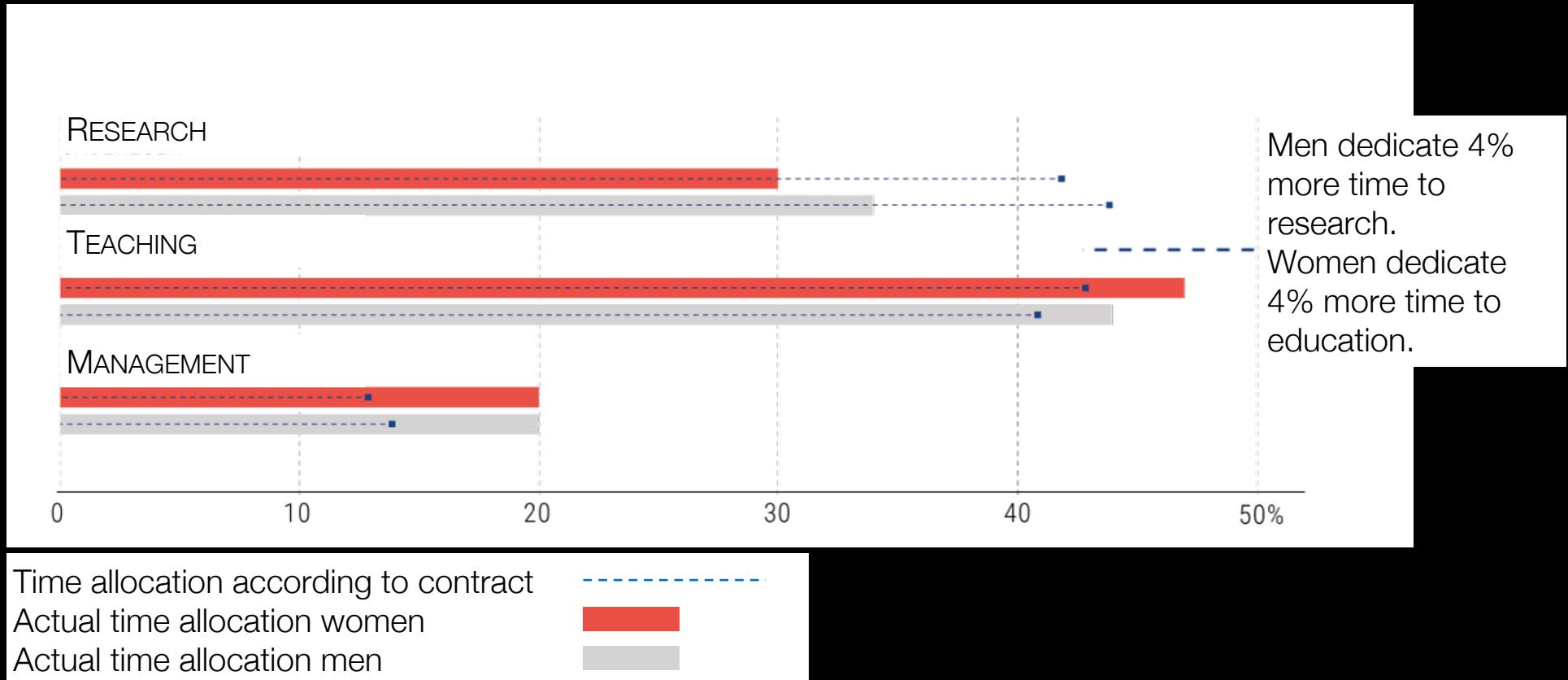
If you **rather do research**, think of this:

- Where do your PhD students come from?
- Did you ever involve students in experiments or research studies?
- Who are your champions out “there”?

The difference between theory and practice

	Teaching:	40%	60%	60%	??
	Research:	40%	??	20%	??
	Management:	20%	0%	20%	??

Time allocation: men vs. women



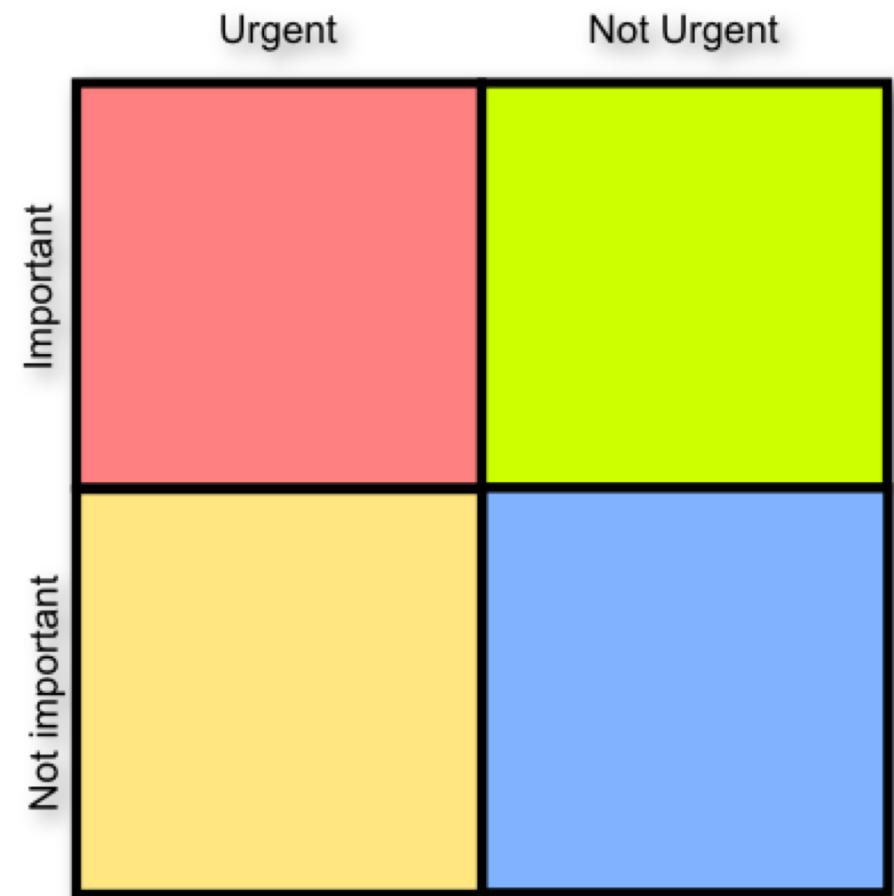
How much planning?

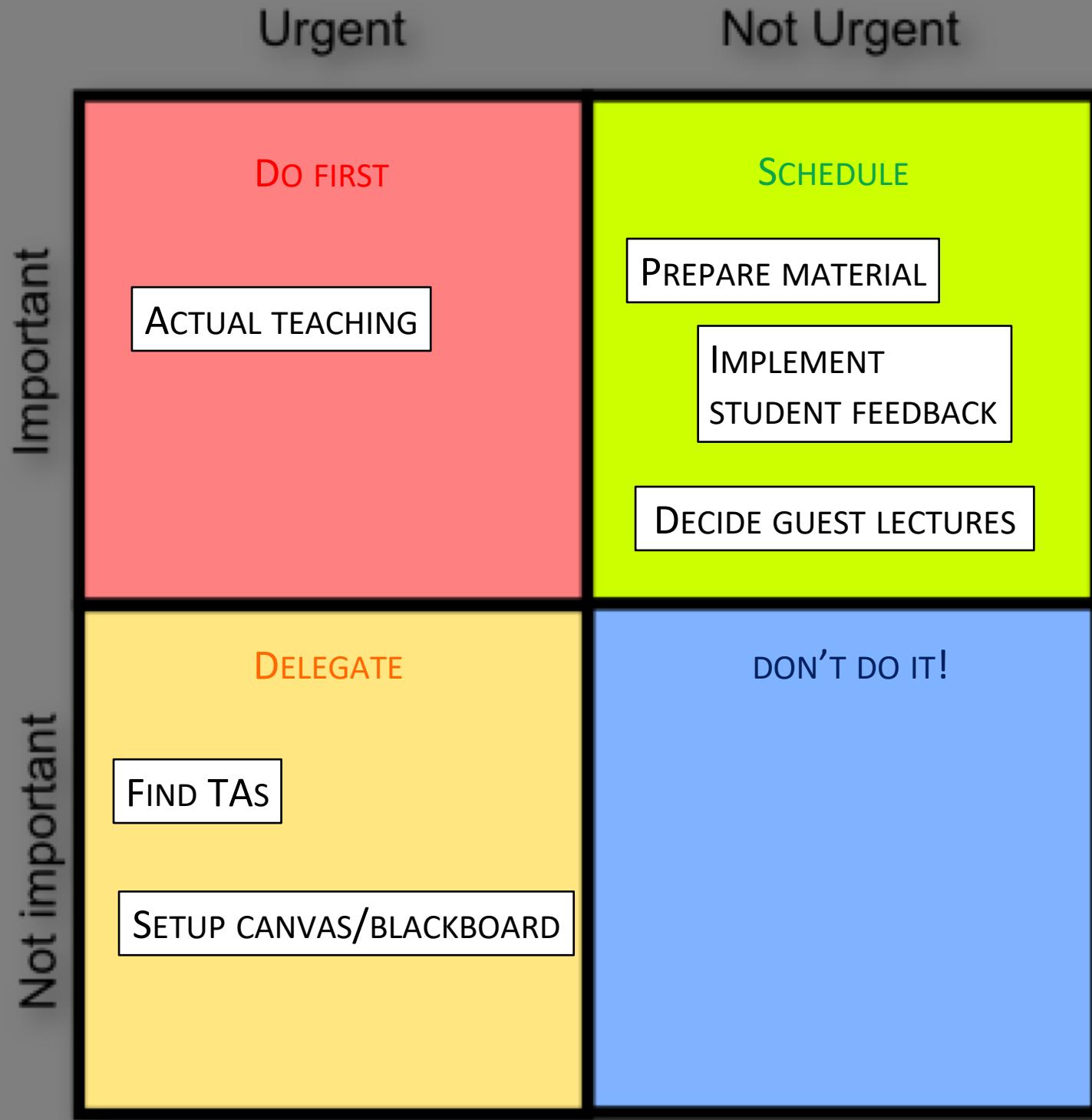
How to ensure I'm not spending ALL my time on teaching?

- Set your goals

- Plan your week

- Experiment: what works best for me?





Good practice:
Take the UTQ, as soon as possible



University Teaching Qualification (UTQ)

- Course design
- Teaching practice
- Supervising students



Teaching at scale

COURSES:

➤ Below 30 students

From 30 to 80 students

From 80 to 200 students

More than 200 students

VARIABLES:

- Interaction in the classroom
- Practica
- Projects, Assignments
- Orals
- Written exams



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- Teaching skills
- Teaching Assistants, task allocation, weekly meetings



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VARIABLES:

- Interaction in the classroom
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- Projects, Assignments
- Orals
- Written exams

- Student clustering
- Grading schemes
- Video demos
- Mix of open/closed questions

Color code: low to high impact



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- ~~Orals~~
- Written exams

Multiple-choice exams

Teaching at scale innovation to the rescue



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VARIABLES:

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- Practica
- ~~Projects, Assignments~~
- Orals
- Written exams

- Flipped classrooms, blended learning
- Teaching vs. coaching
- Community of learners



Teaching at scale

STUDENT PROJECTS:

- Supervision
- Grading

GOOD PRACTICES:

- Clustering, regular meetings
- @ Industrial partners
- Thematic good examples
(research design, literature study
guidelines, research methods,
templates)
- Presentation sessions
- Assessment forms, excel forms

Other (difficult) questions: On Student Evaluations



Does my department actually care?

- “good enough” = you do your duty
- “excellent” = you contribute to the department

Do my TAs actually care?

- Yep
- Useful info for the future

Do my students care?

- Yep
- Next year's, too



Other (difficult) questions:

How to travel to conferences during school year?

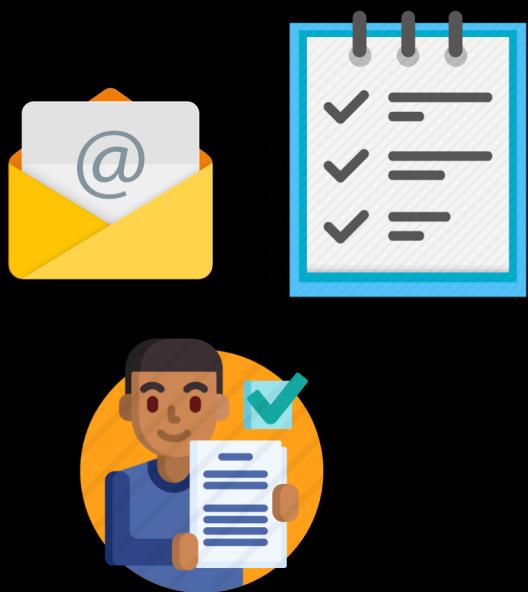
- Teaching is a MUST HAVE
- Planning is key 😊: schedule in advance > find replacement
> tune weekly schedule > beg 😜

Are there resources to setup a course?

- Usually not. But asking is always a good idea

A Final Word

Create your own
Teaching Catalog



Find a Mentor



Thank you

Credits: slides, ideas and results are a collective effort with my bright and energetic colleagues in the S2 Group @Vrije Universiteit Amsterdam

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