

Work less, Work better

Gilles Bailly

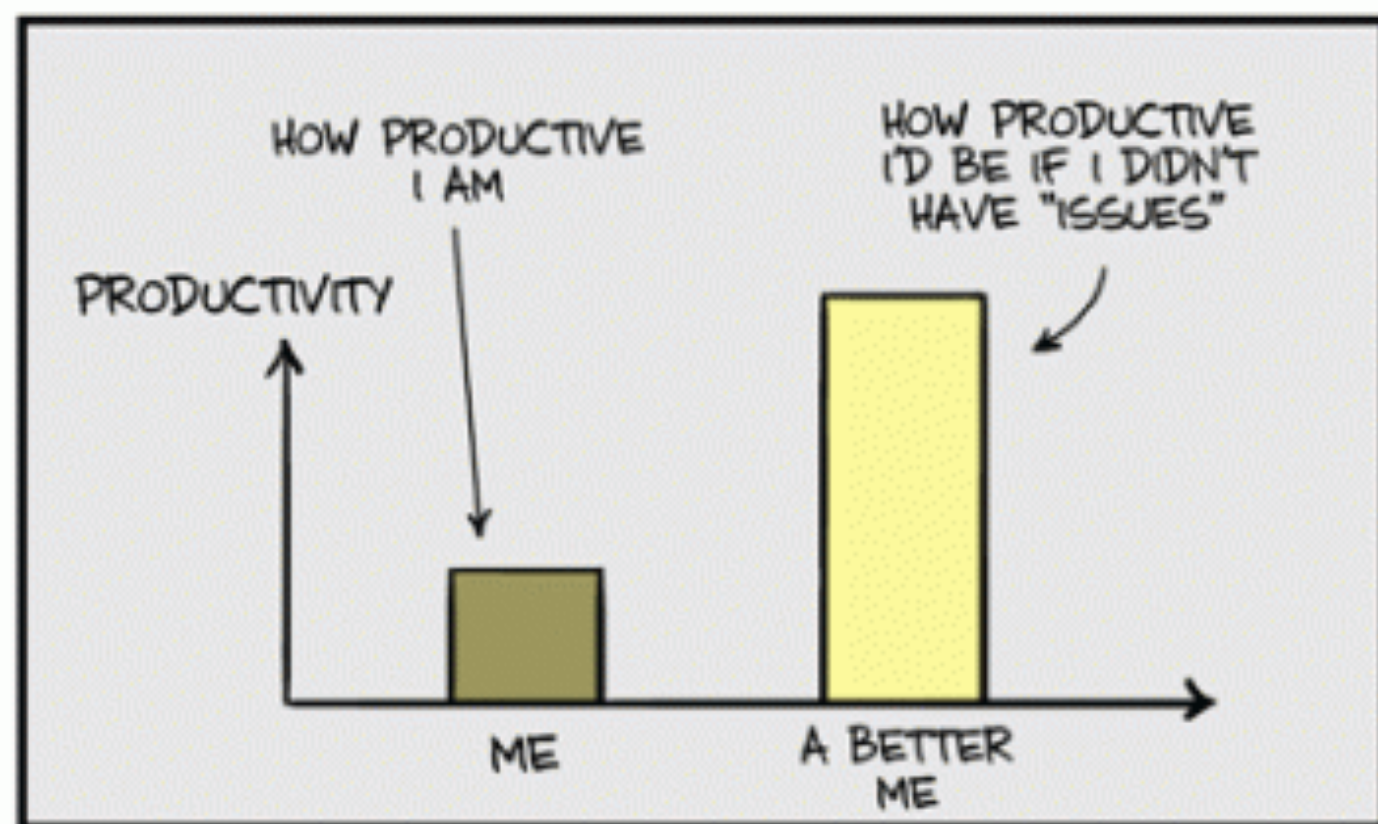


RJC 2017



JORGE CHAM © 2014

WWW.PHDCOMICS.COM





End of the week

Work Less, Work Better





Methods

- What you should do vs. What you can do?
- Imperfection is also good
- Personal feeling
- My experience / my vision



Outline

- The “Perfect” researcher
 - The ideal project
 - 1 vs. n: paper workshop & quick reviews
 - Organize your work

but we are all humans

Time line of the ideal project

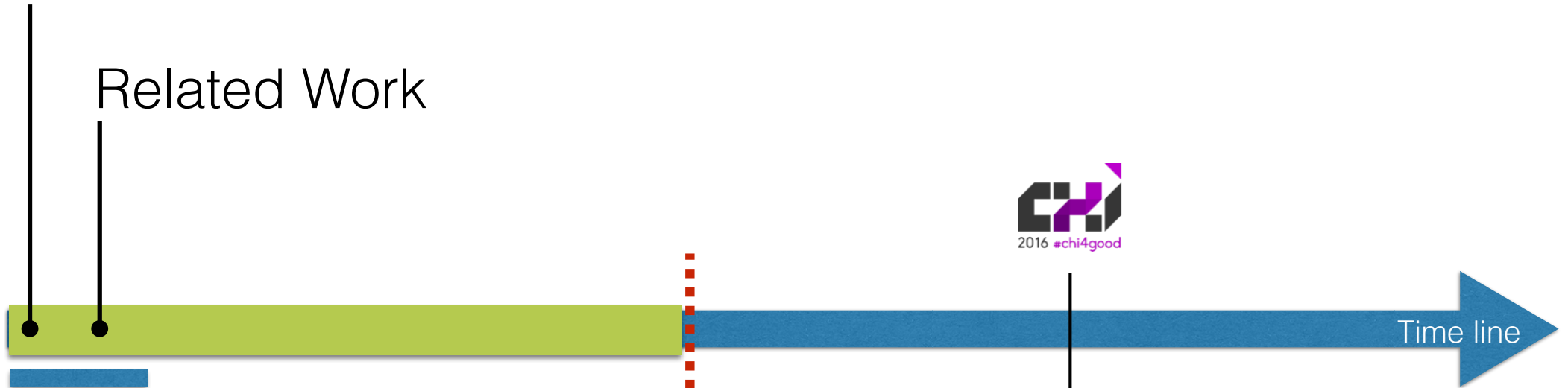
Paper / User study / Implementation / Conference Talk

6 months project

Paper

Introduction

Related Work



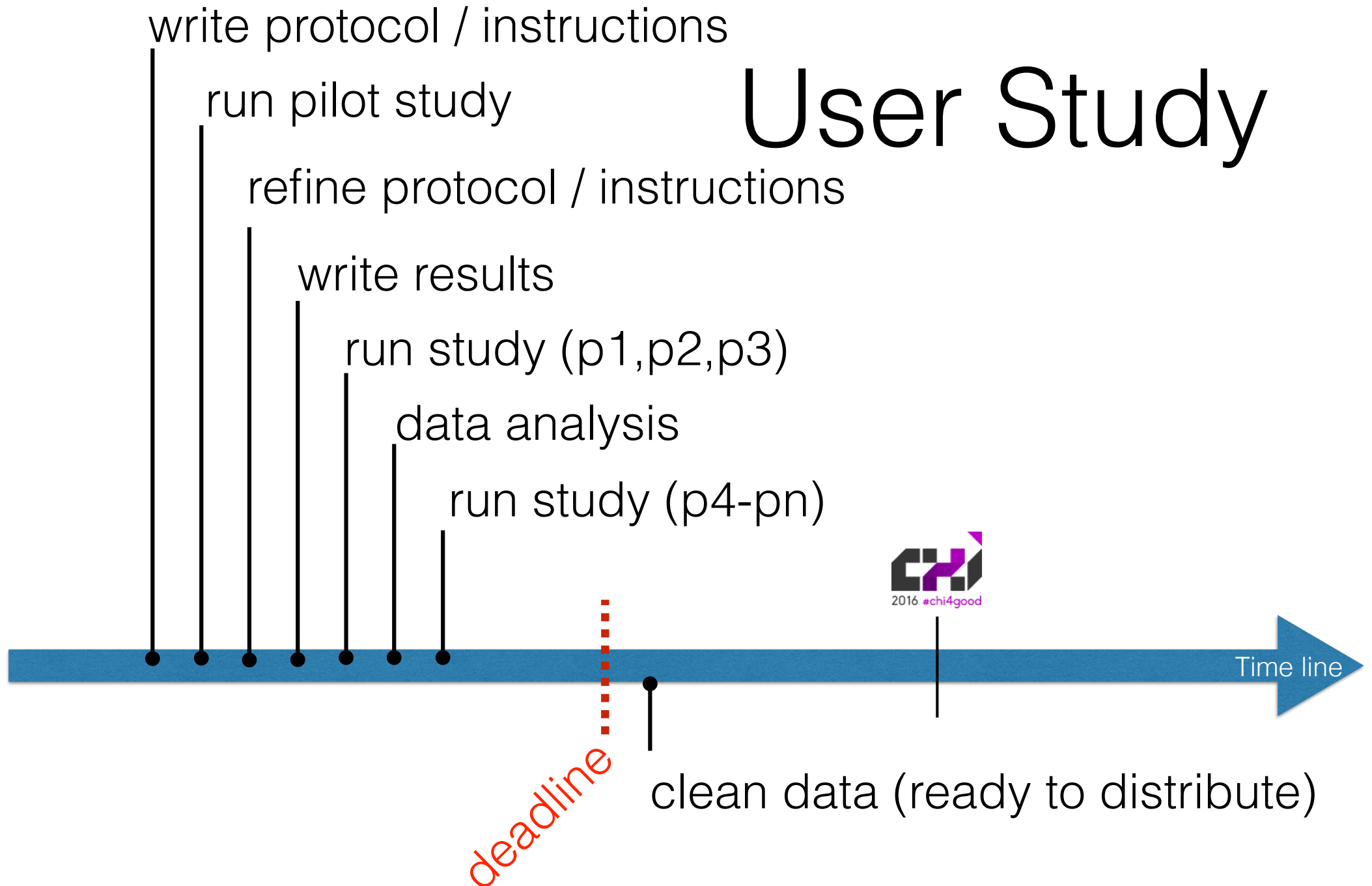
write the easiest parts
use standard formats
find excellent similar
paper as a guide
write more

30s Brainstorming

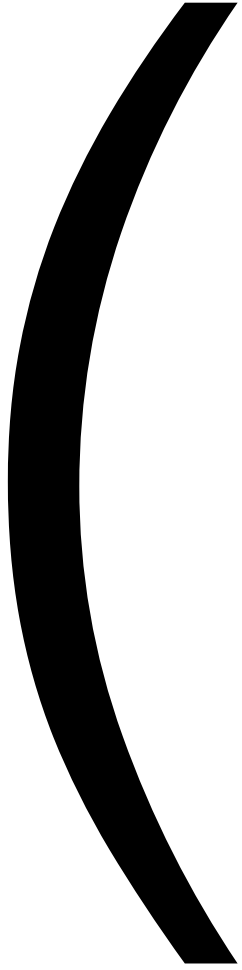
User-test your paper

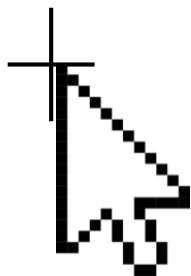
- **Make your paper a page too long**, give it friends and say “I need to cut a page, can you help me decide which contents to cut”
- do it **early**, so you can still make **big changes**.

User Study

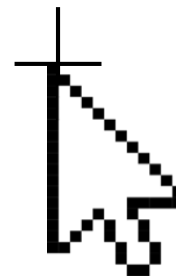


30s Brainstorming

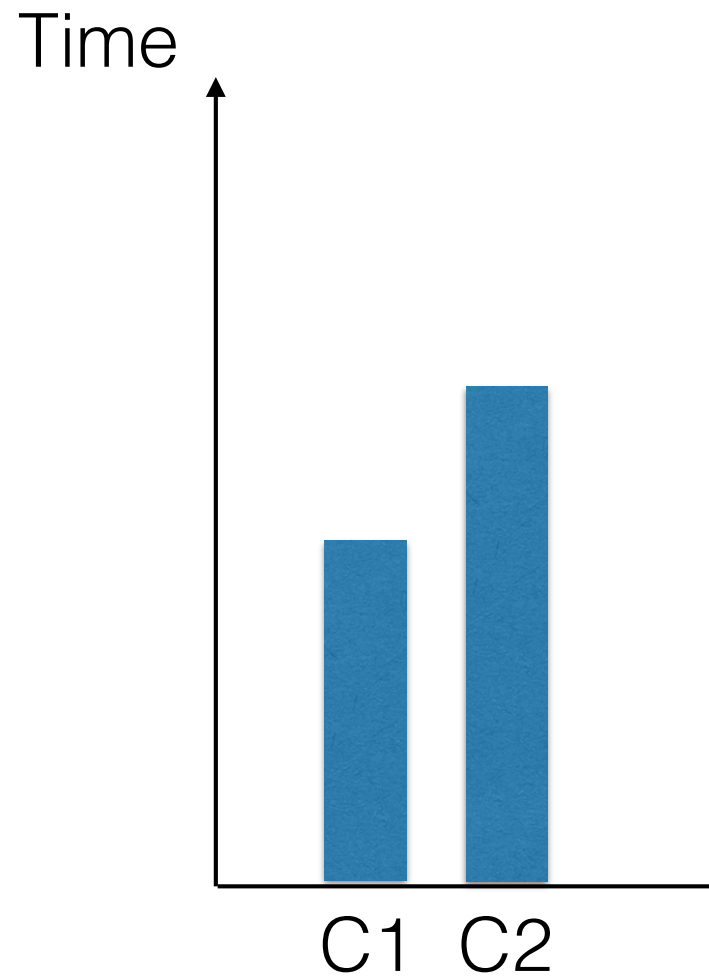


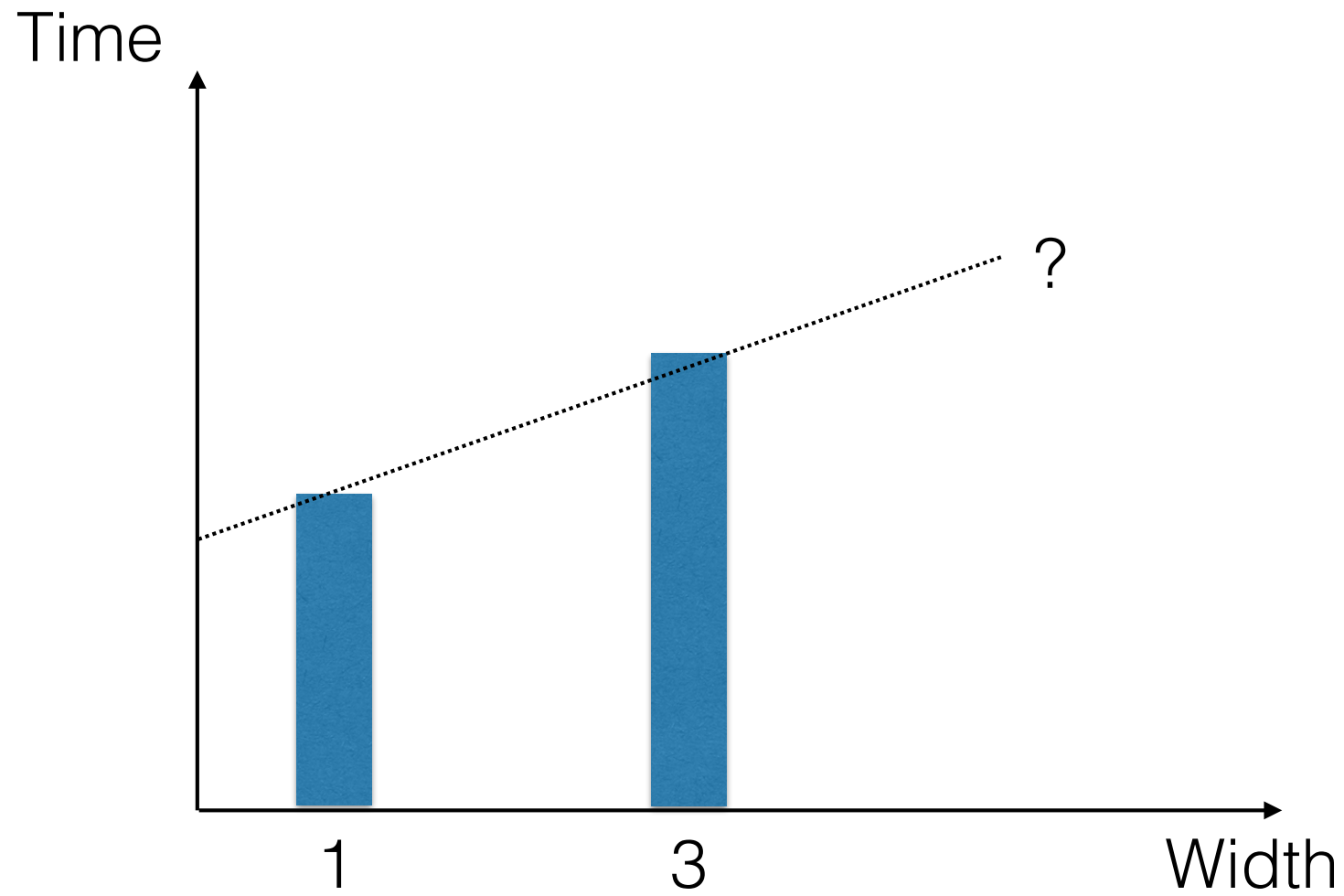


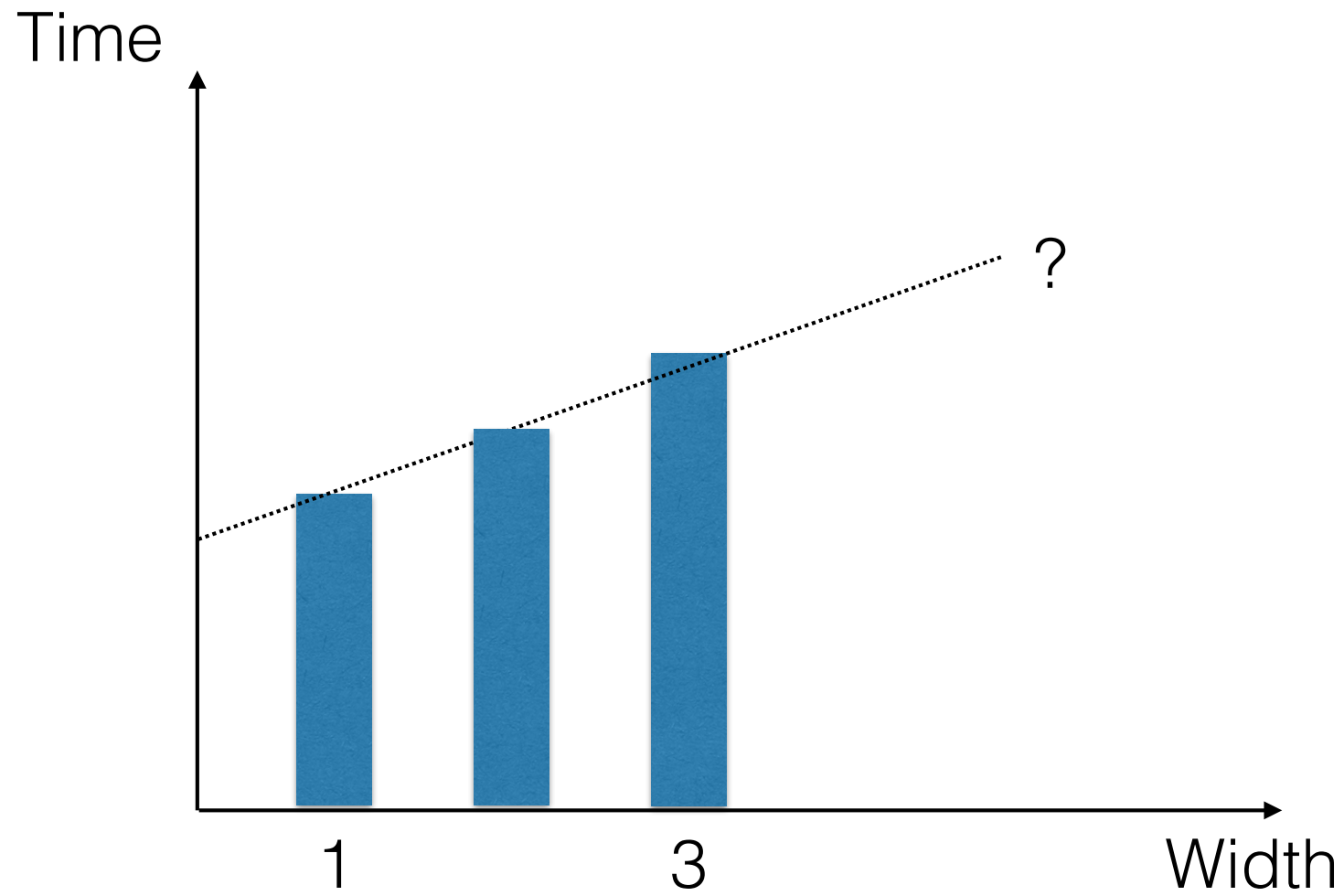
Condition 1



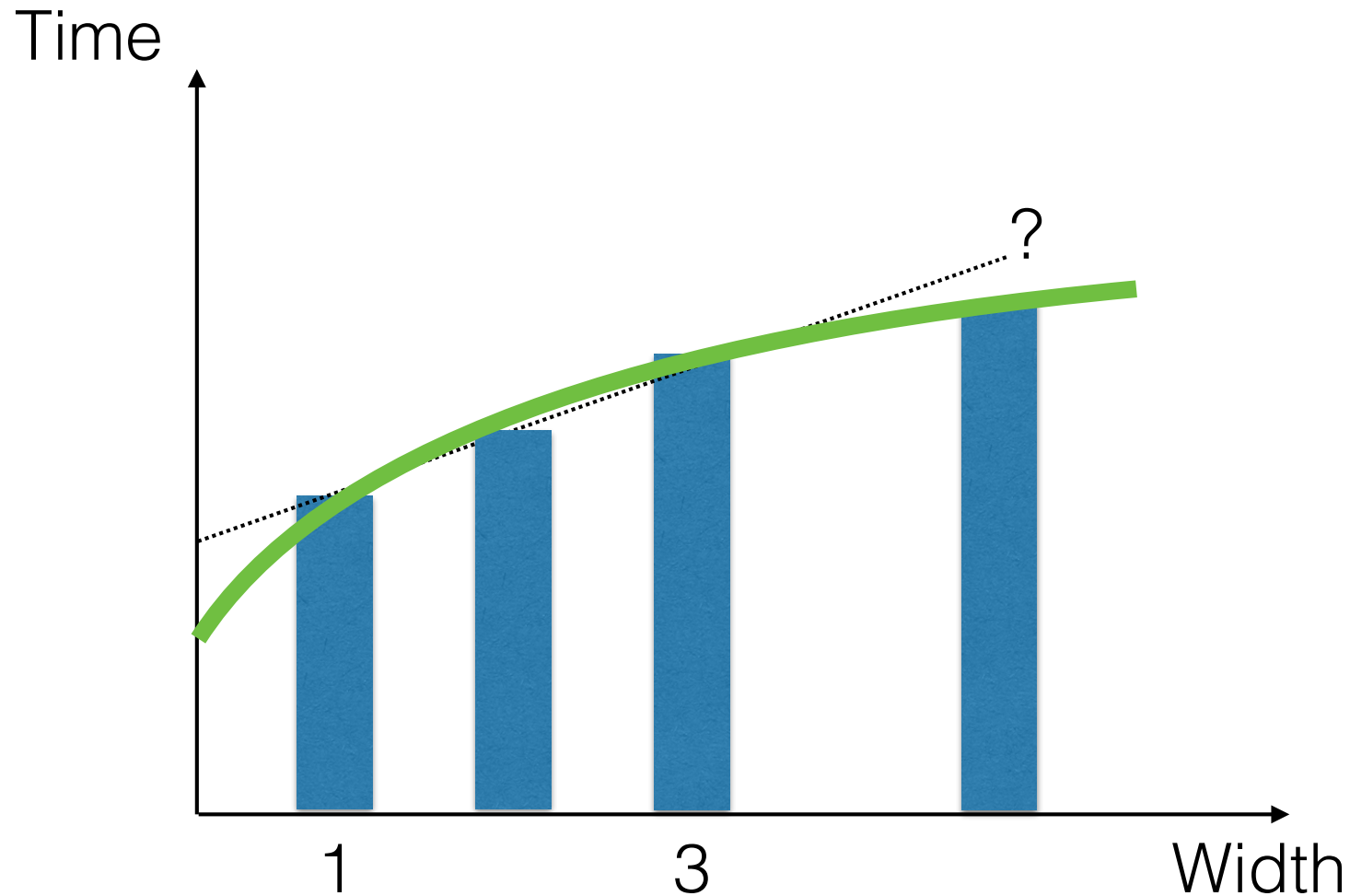
Condition 2

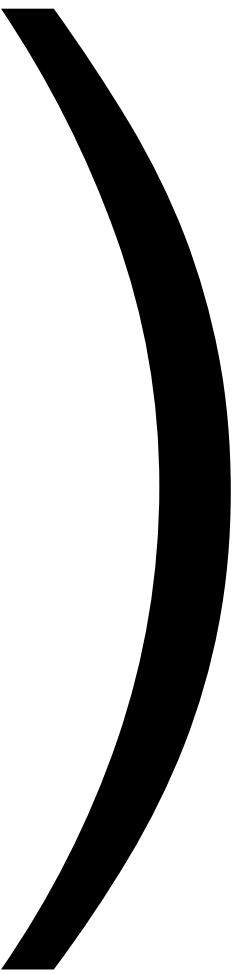




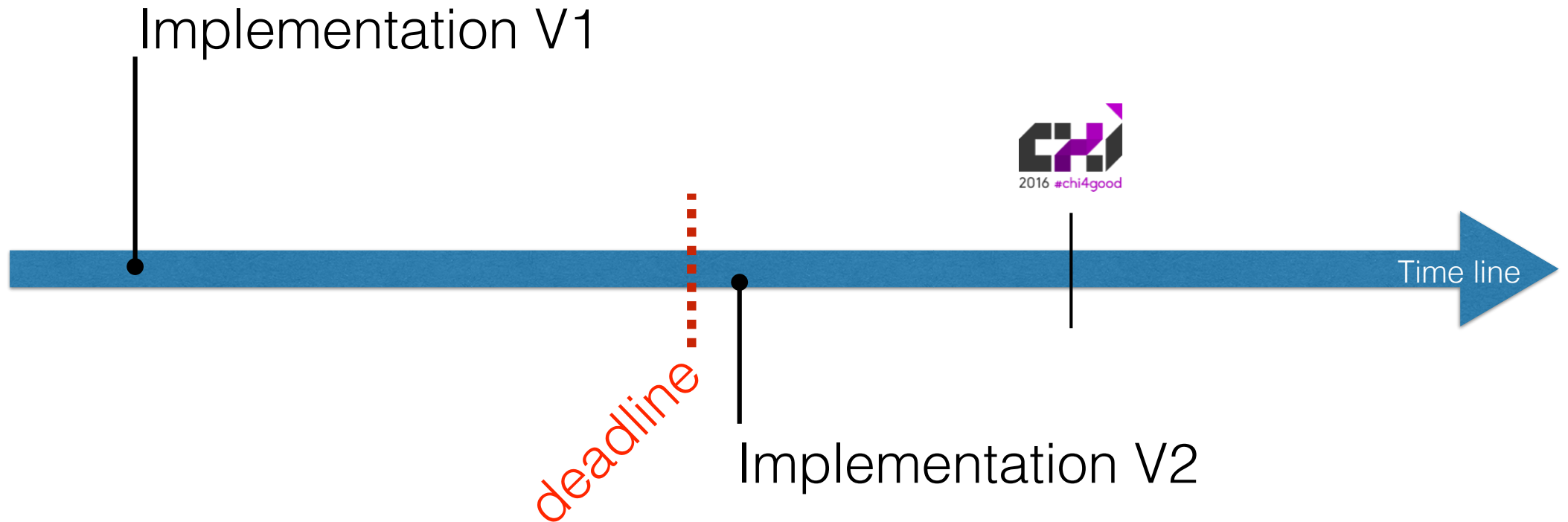


Additional **cost**: generally **small**
Gain: potentially **high** → **Model**





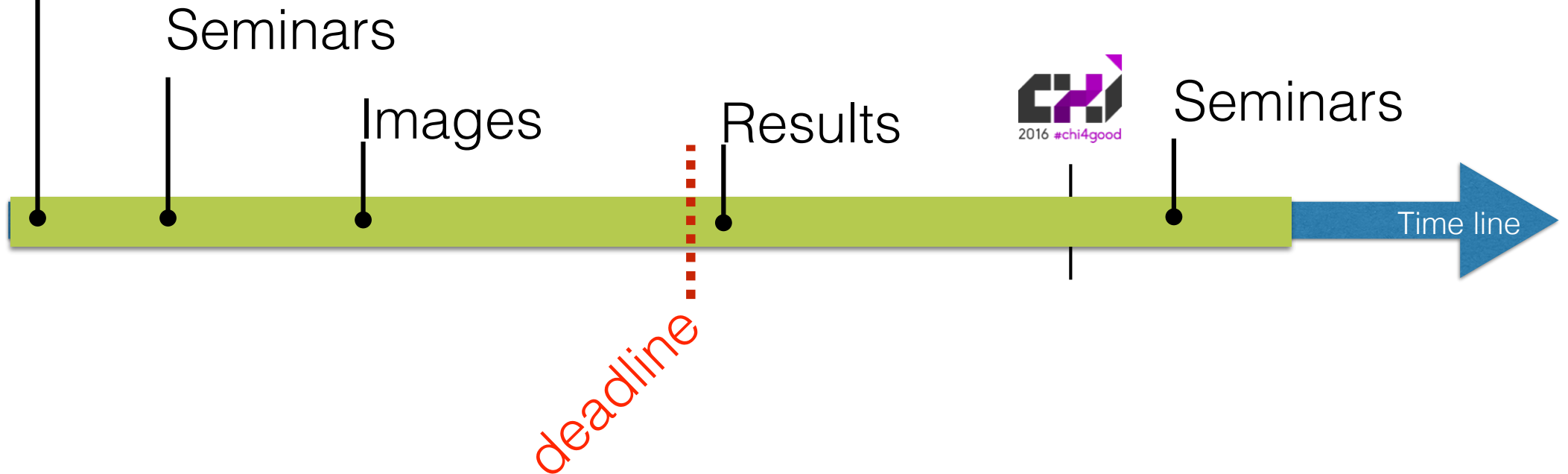
Implementation



30s Brainstorming

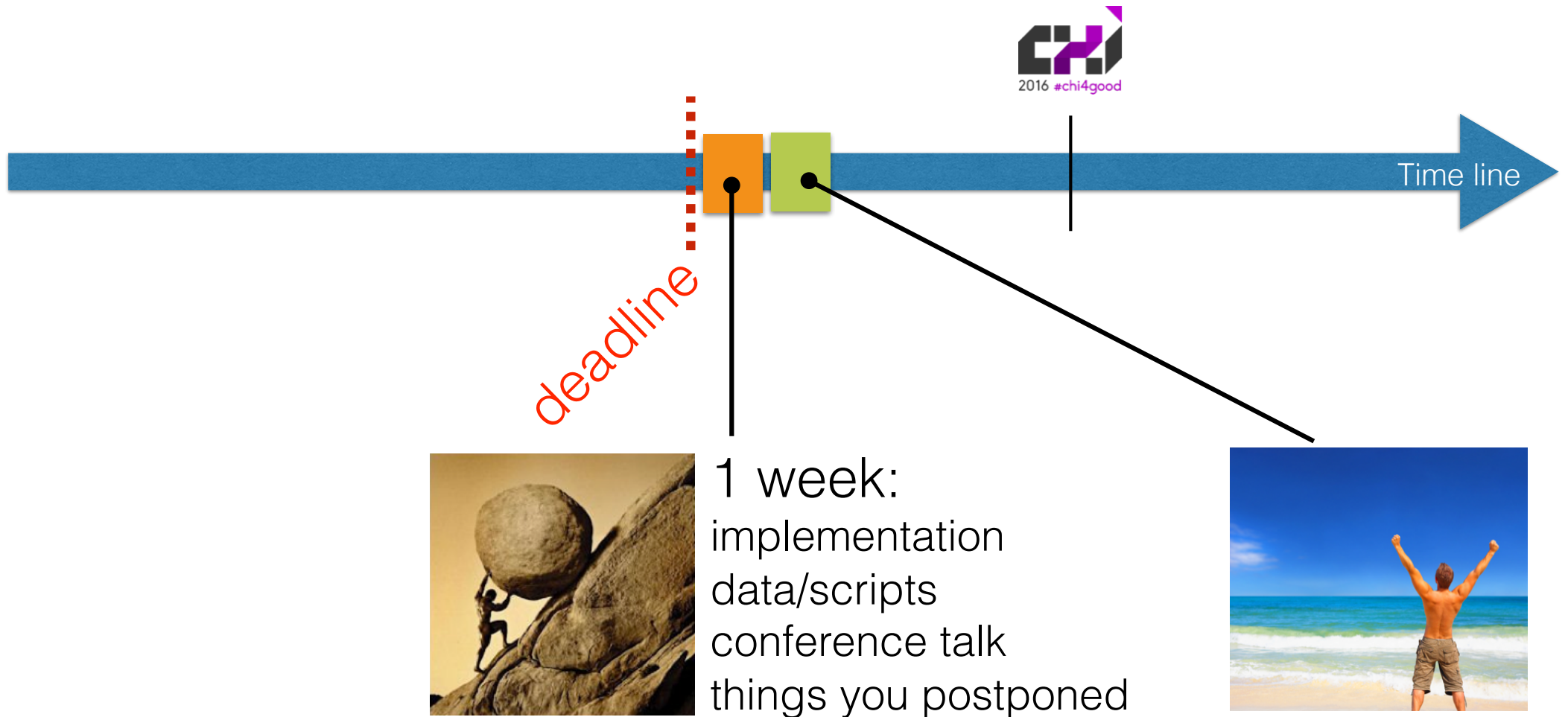
Conference Talk

to communicate with your supervisor
(idea / related work)



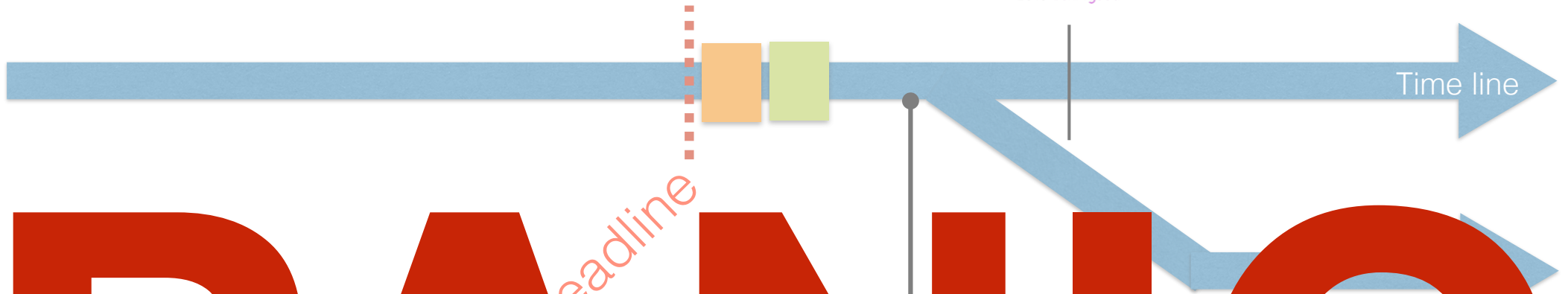
30s Brainstorming

Timeline (holidays)



Timeline

NO



PANIC



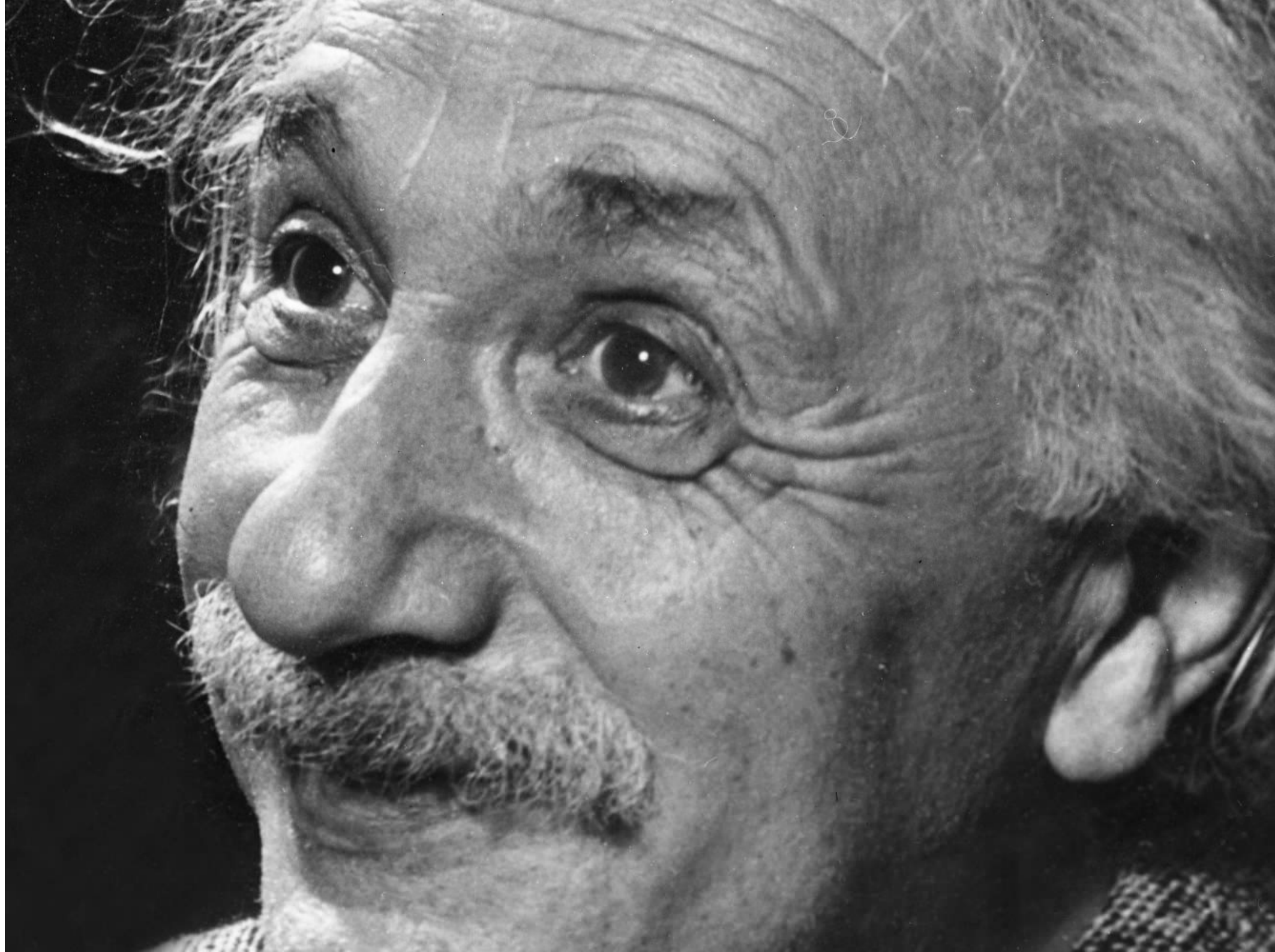
Opportunity to improve your paper

Outline

- The “Perfect” researcher
 - The ideal project
 - 1 vs. n: paper workshop & quick reviews
 - Organize your work

but we are all humans

1 vs. N





TEAM

T

TOGETHER

E

EVERYONE

A

ACHIEVES

M

MORE

1. Do not hide yourself
2. Ask questions
3. Get feedback
4. Learn from others
5. Have a group

1. Do not hide yourself

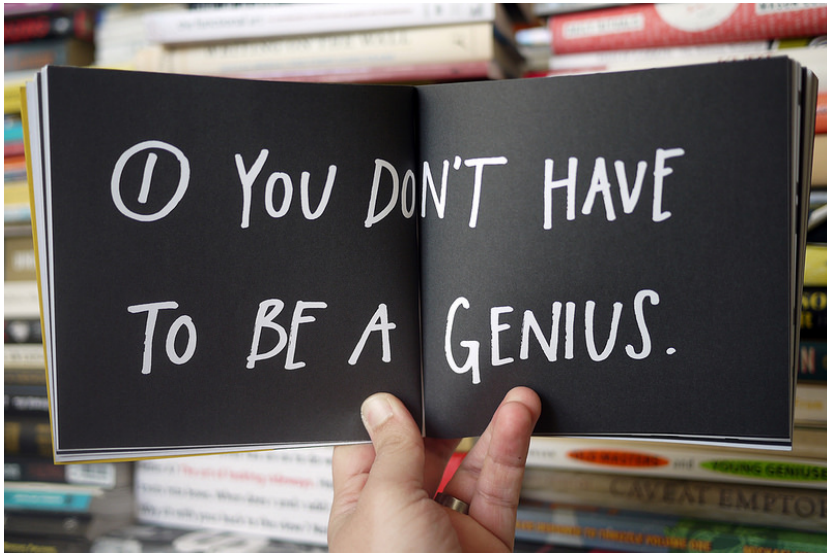
Le mieux est l'ennemi du bien

~~"I send you the doc when it is perfect"~~



plagiarism?

2. Ask questions



3. Get feedback

criticism might be difficult to hear, but very useful

4. Learn from others

How to write a research paper - Rice University

www.ruf.rice.edu/~bioslabs/tools/report/reportform.html ▼

- Do not discuss or interpret your results, report background information, or attempt to explain anything.
- Never include raw data or intermediate calculations in a research paper.
- Do not present the same data more than once.
- Text should complement any figures or tables, not repeat the same information.

1 more items

[Title page](#) - [Abstract](#) - [Introduction](#) - [Materials & Methods](#)

How to Write an A+ Research Paper - A Research Guide for ...

www.aresearchguide.com/1steps.html ▼

- STEP 1. CHOOSE A TOPIC Choose a topic which interests and challenges you. ... •
- STEP 2. FIND INFORMATION Surf the Net. ... • STEP 3. STATE YOUR THESIS ... •
- STEP 4. MAKE A TENTATIVE OUTLINE ... • STEP 5. ORGANIZE YOUR NOTES ... •
- STEP 6. WRITE YOUR FIRST DRAFT ... • STEP 7. REVISE YOUR OUTLINE AND DRAFT ... • STEP 8.

You've visited this page 3 times. Last visit: 5/12/15

How to Write a Research Paper (with Sample ... - wikiHow

www.wikihow.com/Write-a-Research-Paper ▾

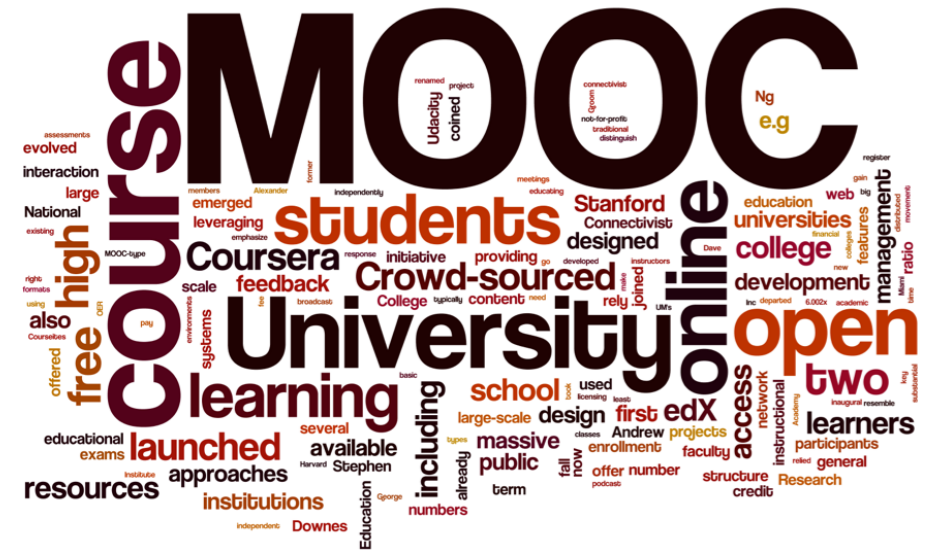
How to Write a Research Paper. When studying at higher levels of school and throughout college, you will likely be asked to prepare research papers.

Sample Scientific Research - Sample Research Paper Outline

Academic and Professional Writing: Writing a Research Paper

<https://writing.wisc.edu/Handbook/PlanResearchPaper.html> ▼

Although this list suggests that there is a simple, linear process to writing such a paper, the actual process of **writing a research paper** is often a messy and ...



5. Have a group



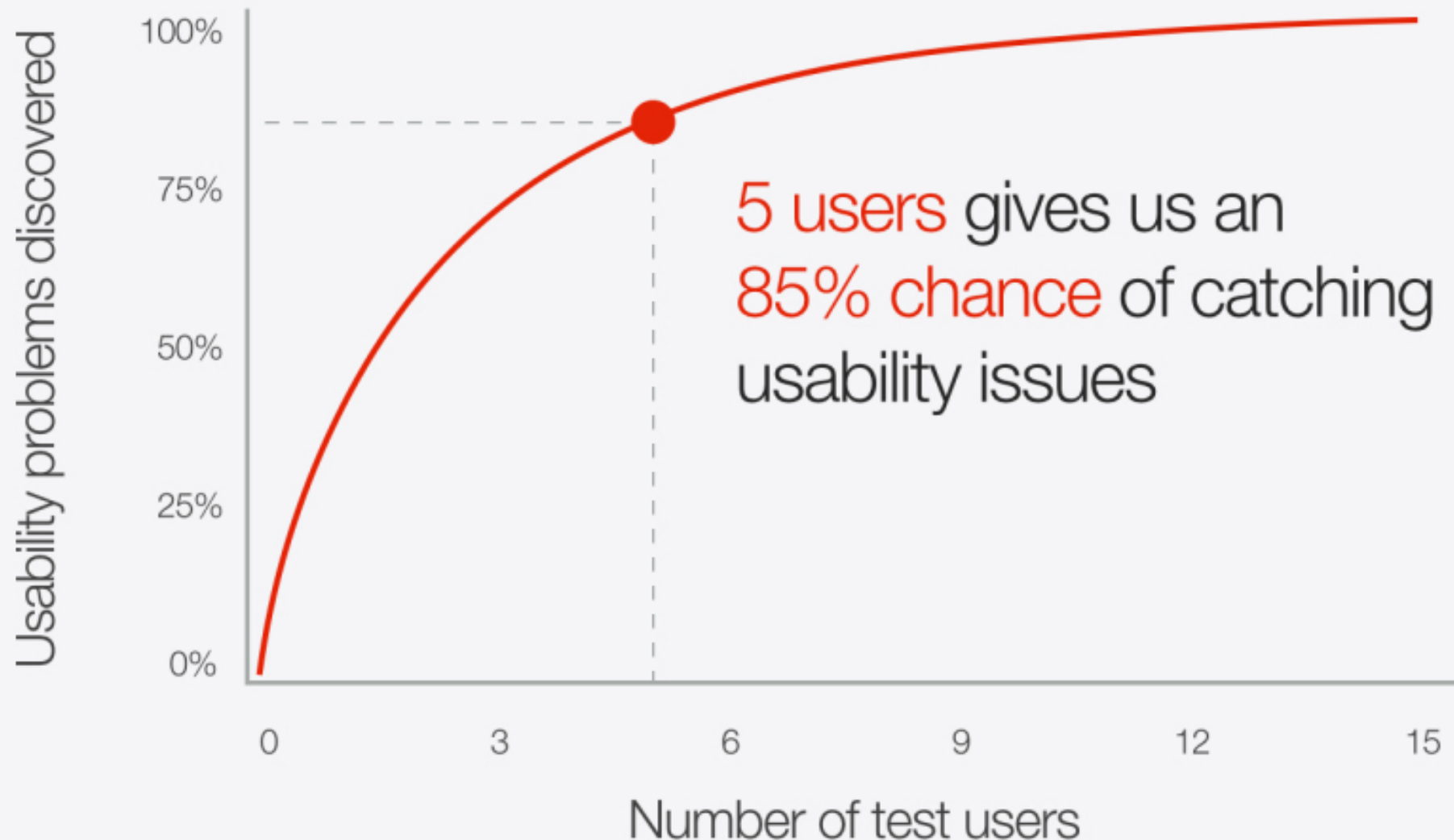
Paper Workshop

Reviewing papers all together



How many users do I need?

(Usability problem frequency: 30%)



Why?

- Motivation to work on your project(s)
- Get something concrete
- Evaluate if the project is promising
- Collect feedback
- Avoid the “I do not trust you”
- Team spirit
- Team awareness



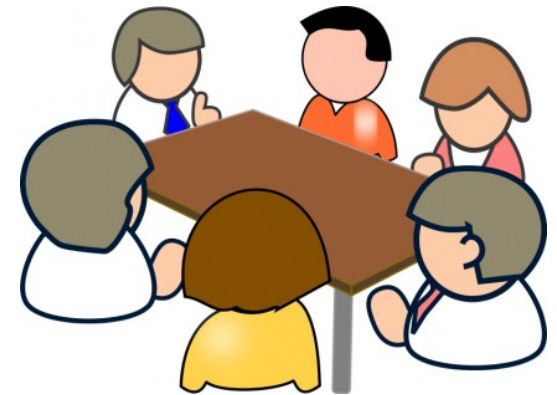
What?

2 phases

- **Review**: 5-10 min per paper.
It is approximately the time the 3rd AC will spend on your paper 😊
- **Analyze**: 10-15 min per paper.

Example: 6 participants (6 papers)

$$6 \times 10 + 6 \times 10 = \mathbf{2 \text{ hours.}}$$



Who?

Author explains

- document status: early draft? almost done?
which conference? **which sections to focus on?**
let space for comments

Moderator manages sessions

- time keeper; keep comments constructive, avoid debates

Participants (include author, interns, etc.)

- read through document once; write comments on paper;
write your name; **write properly**

Rules (1/2)

Content of the comments

- identify the **main problems** (no details like wordings)
Motivations; idea; structure (order); contributions;
extensions
- “I do not understand”
- suggest solutions

Style of the comments

- be positive;

Rules (2/2)

Participants

- **Do not debate:** it wastes time!
it is difficult to accept criticisms
they evaluate the paper (not you)
do not be sad/angry
- accept or not suggestions

When?

Reviewing+comment (face to face)

- can be difficult to find a slot of 2 hours
- lack of concentration

Reviewing (alone) + Comment (face to face)

- authors submit the paper the day before
- review during morning
- use email (mailing list): team awareness, additional reviews

Take the comments into account
the day after the workshop

Quick Reviews

asynchrone paper workshop



Who?



Local



Distant
=> fresh look

Rules

Author

- be precise (which sections; if all, what are the priorities)
- agree when you send the draft and when you want feedback
- sending a .doc is not a so bad idea!
- **do not send the same draft to several reviewers**
(it's why planification is important)

Reviewers

- be reliable
- be fast
- email your feedback or skype?

coucou Gilles,

Quick question, est-ce que tu aurais le temps de me faire une petit review de paper pour CHI?

Je m'y prend en avance car maternity leave oblige :p. et c'est une resoumission.



Affordance v6

Ah mais quelle rapidité gillou! Merci ! Oui je vois tout à fait ce que tu veux dire pour les points, je vois comment améliorer maintenant :)!

Outline

- The “Perfect” researcher
 - The ideal project
 - 1 vs. n: paper workshop & quick reviews
 - Organize your work
- but we are all humans

Organize your work

Imperfection
is
Beautiful.

**How to be an
imperfect
human who
gets stuff done**

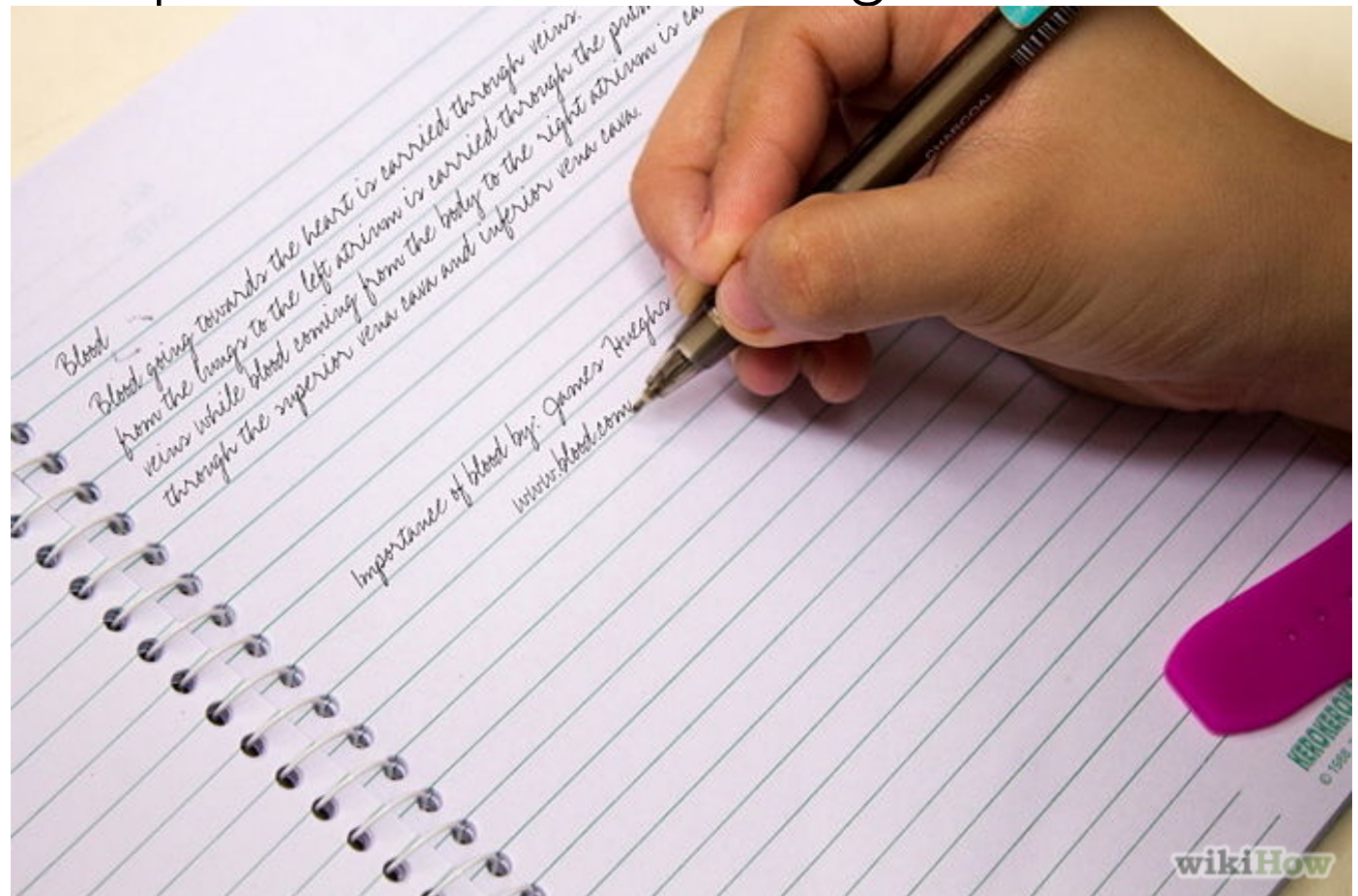
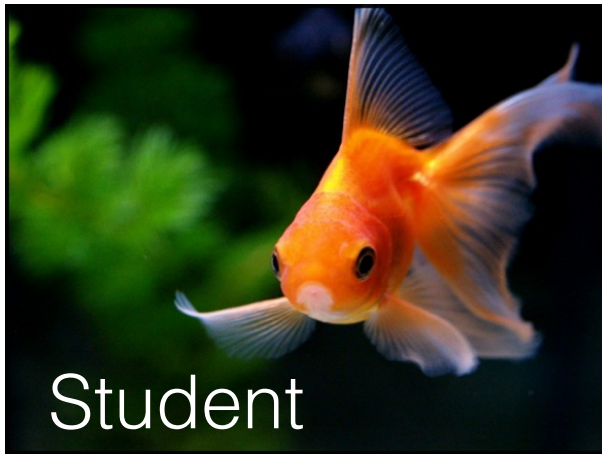
Organize your work

1. Write things down
2. Do not procrastinate
3. Commit
4. Give everything a home
5. Do not waste time
6. Delegate

1. Write things down: Take Notes

Not more not less

check it with your supervisor before leaving



1. Write things down: Make Schedules and Deadlines

Todo list 1 (day)

- do not go to bed before it is finished

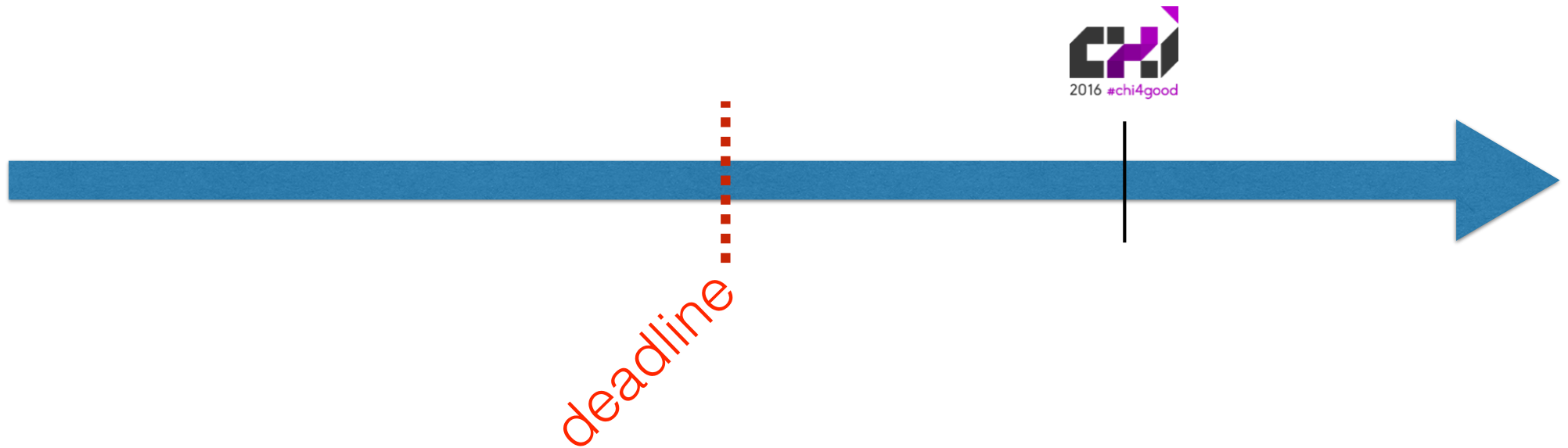
Todo list 2 (week)

- the weekend as a buffer

Should be defined during
the meetings



1. Write things down: Retro-planning



2. Do not Procrastinate

Primary Task: In retrospect, all steps took too long

Stop thinking, just do it

- implement & try
- implement & run
- read & write
- buy devices
- ...



...even if your supervisor is busy

2. Do not Procrastinate

Secondary Tasks

- Why are you waiting until the deadline to do your reviews?
- Why are you waiting for replying emails?
- If you need to learn a tool, learn this tool now



2. Do not Procrastinate

Advices:

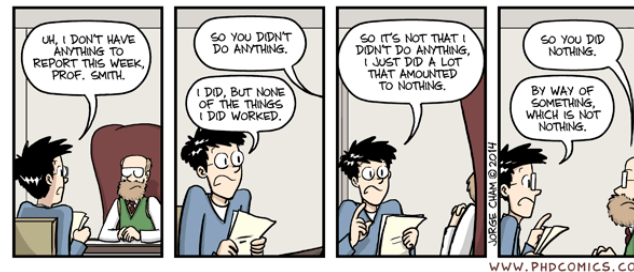
1) each action requiring less than **2 minutes**...
...should be done **immediately**.
(e.g. replying an email)

2) Add on your todo list (very) **easy task** that can be
done when you are **not able to do your hard tasks**
(e.g. updating your website)

3. Commit

Commitment is the most important quality of a student for a supervisor

- 2-3 days cycle (16-24h)
- be sure to always have something new to show after 2-3 days
- your supervisor is also a gold fish



Commit vs. Perfection

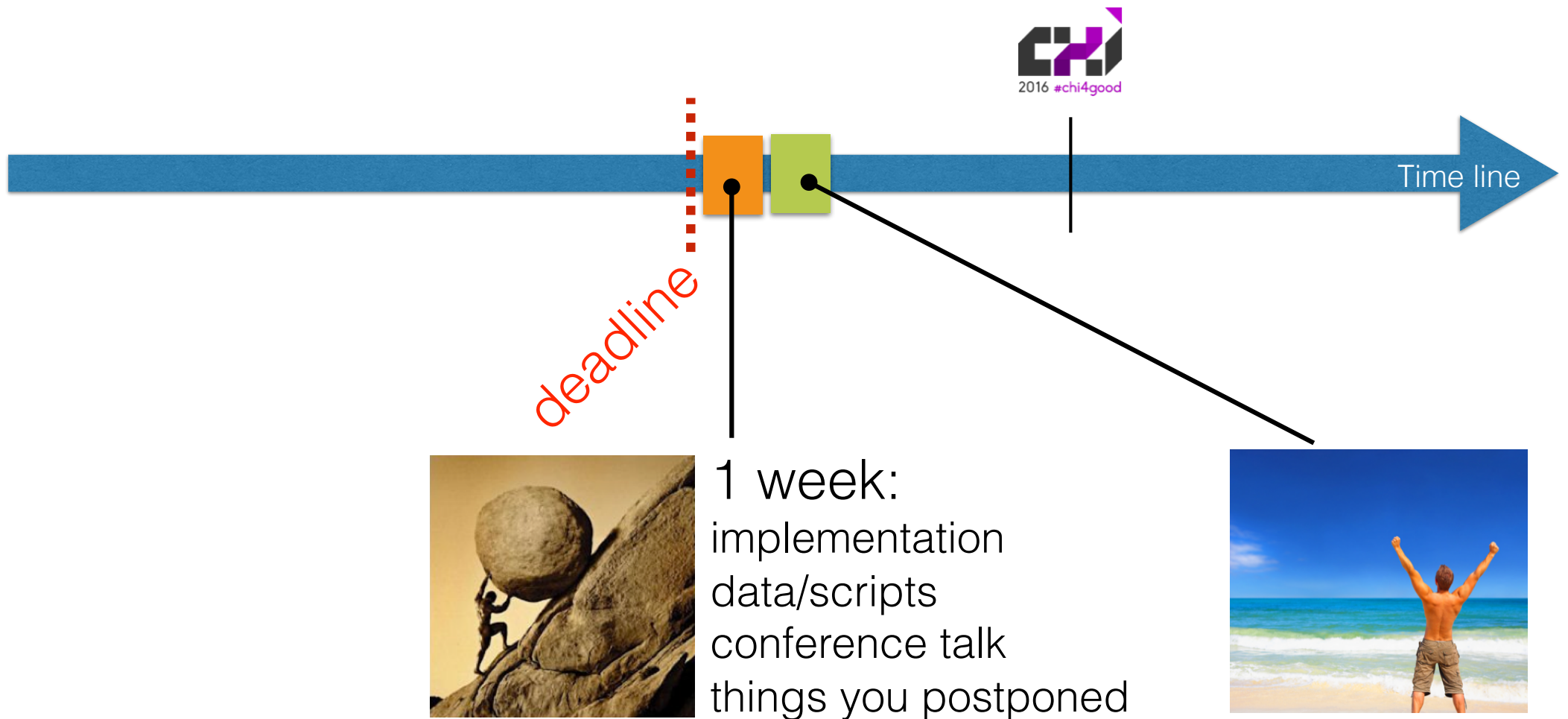
4. Give everything a home

Declutter regularly

- Desk
- Computer
- Code,
- etc.

Did I say that already?

Timeline (conclusion)



4. Give everything a home

Declutter regularly

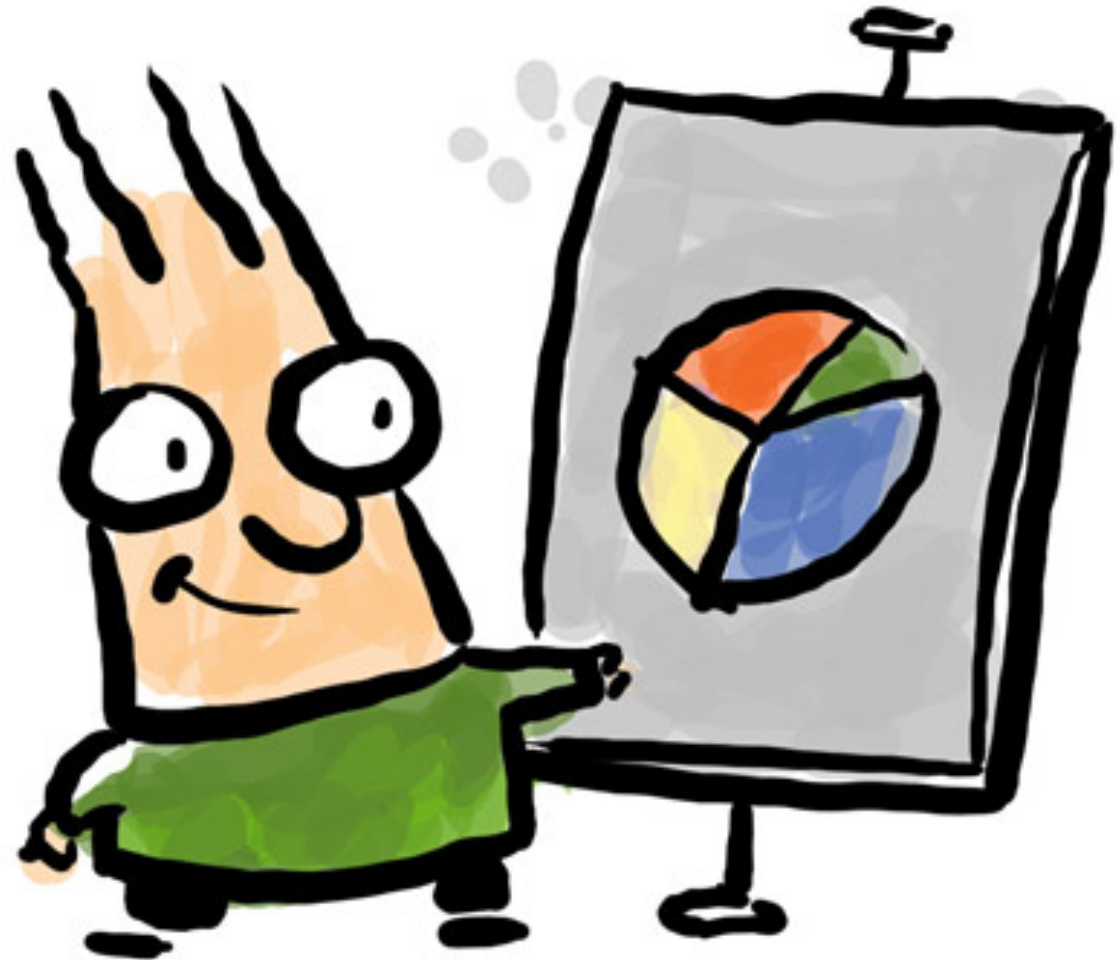
- Desk
- Computer
- Code,
- etc.



4. Give everything a home

Declutter regularly

- Desk
- Computer
- Code,
- etc.



spontaneous talks

5. Do not waste your time

“50mn passé par jour”
Colombe (RJC 17)

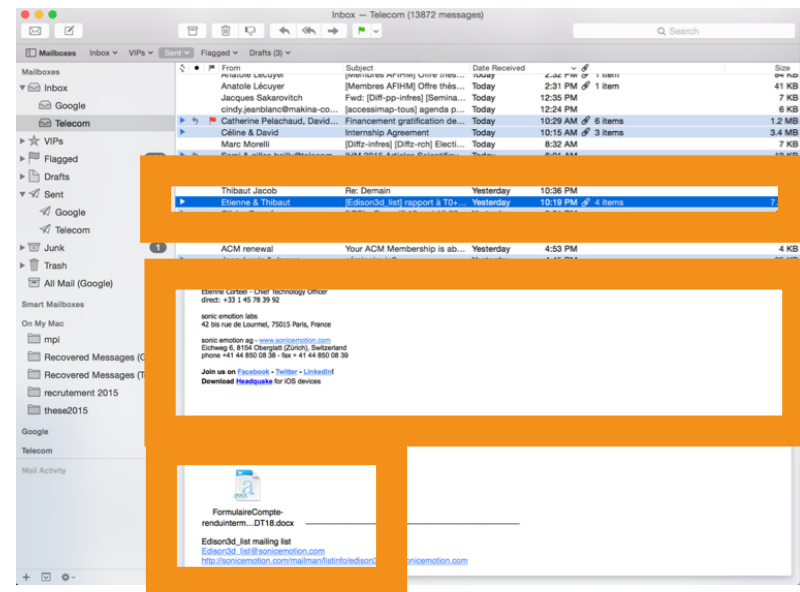


6. Delegate

Use your supervisors/colleagues ... they will be **happy**



Implicit



Explicit

Did I say that already?

Paper workshop

Conclusion

Message 1

You can work less and work better

- a research project is quite well defined in reality

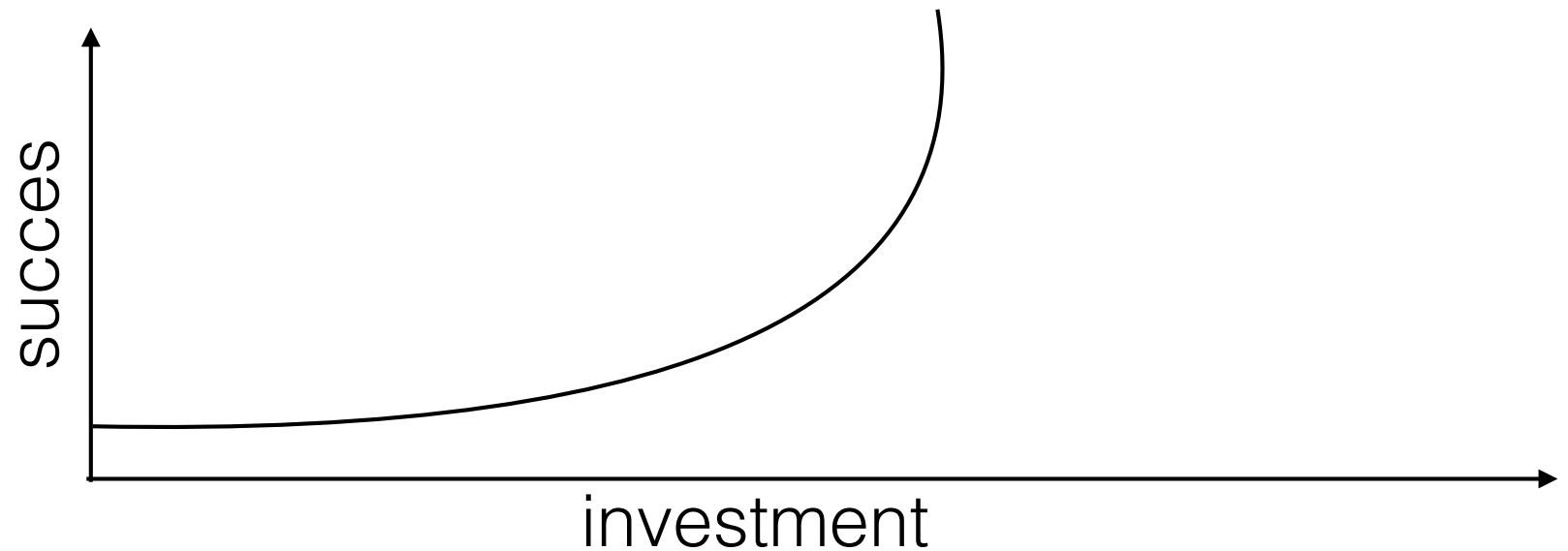
Message 2

Do not work alone (N is better than 1)

- e.g. Paper workshop

Message 3

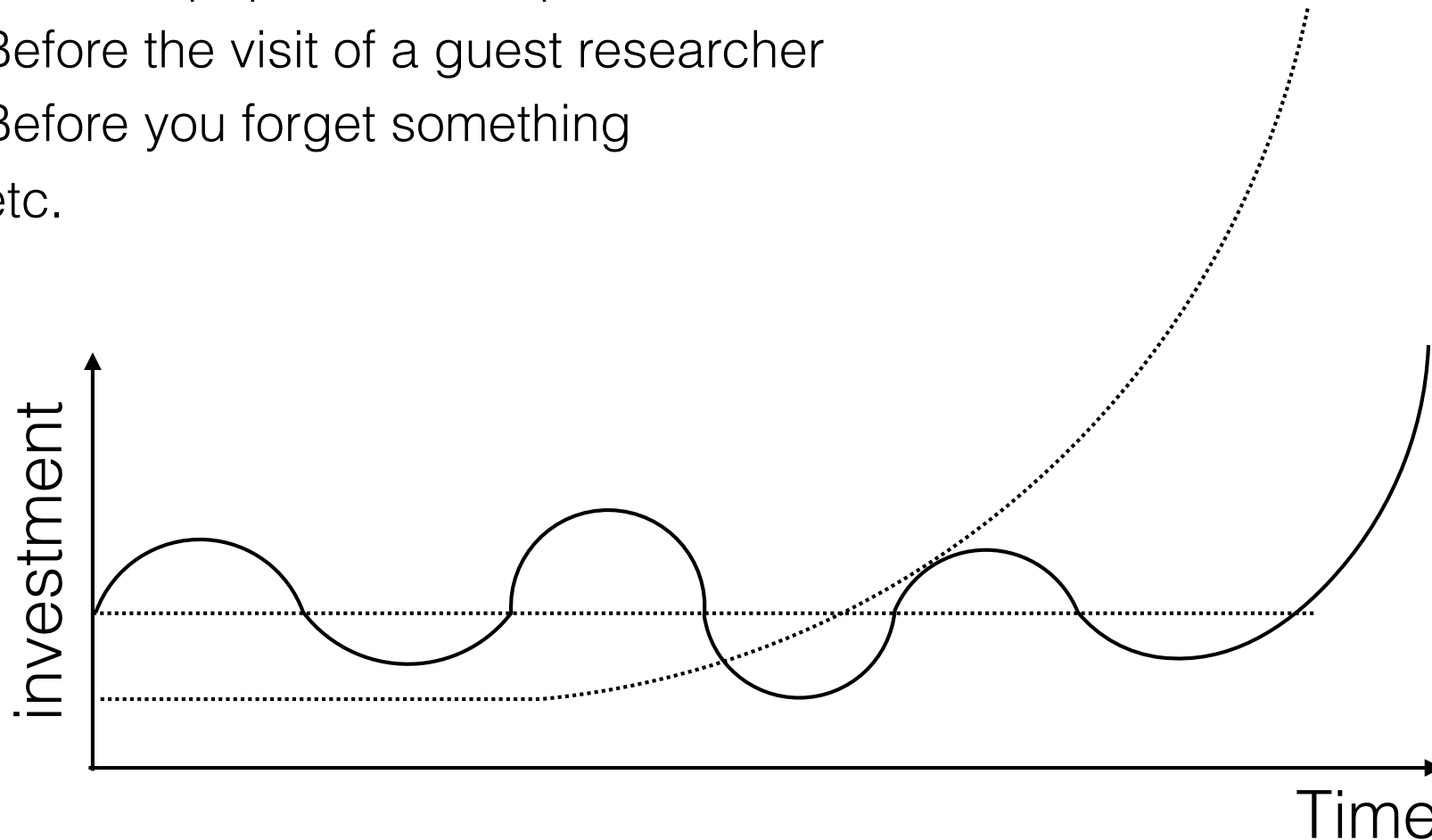
Work hard (but when?)



Work Hard

Most Valuable Time Frame

- Before a meeting with your supervisor (and just after)
- Before a paper Workshop
- Before the visit of a guest researcher
- Before you forget something
- etc.





Work less, Work better

Gilles Bailly



RJC 2017