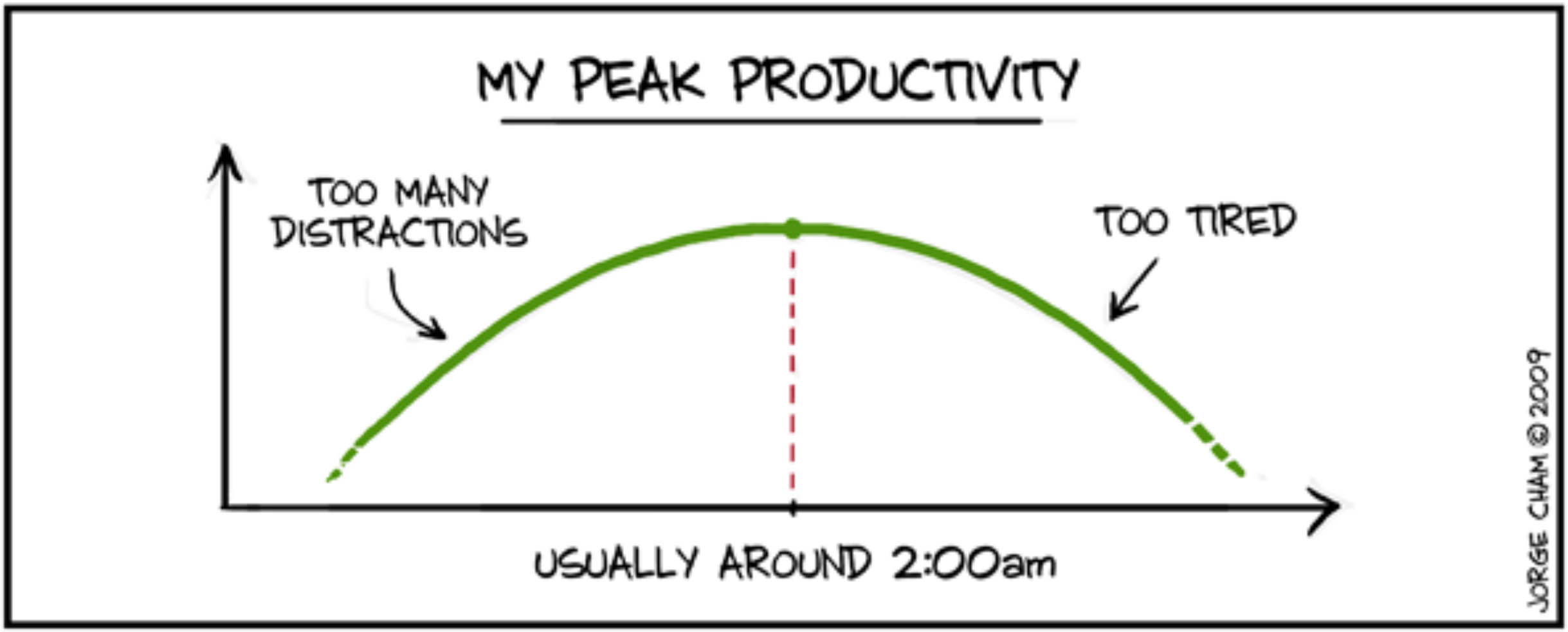

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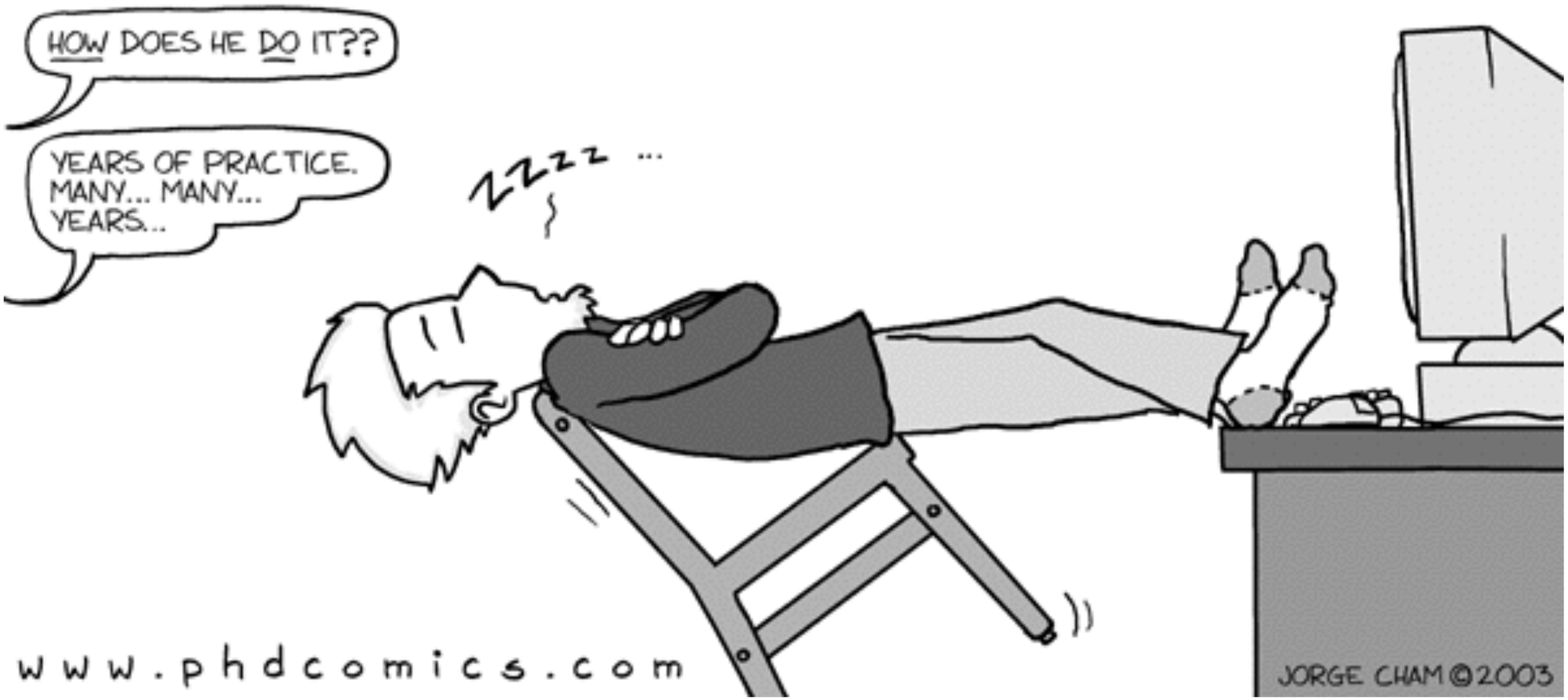
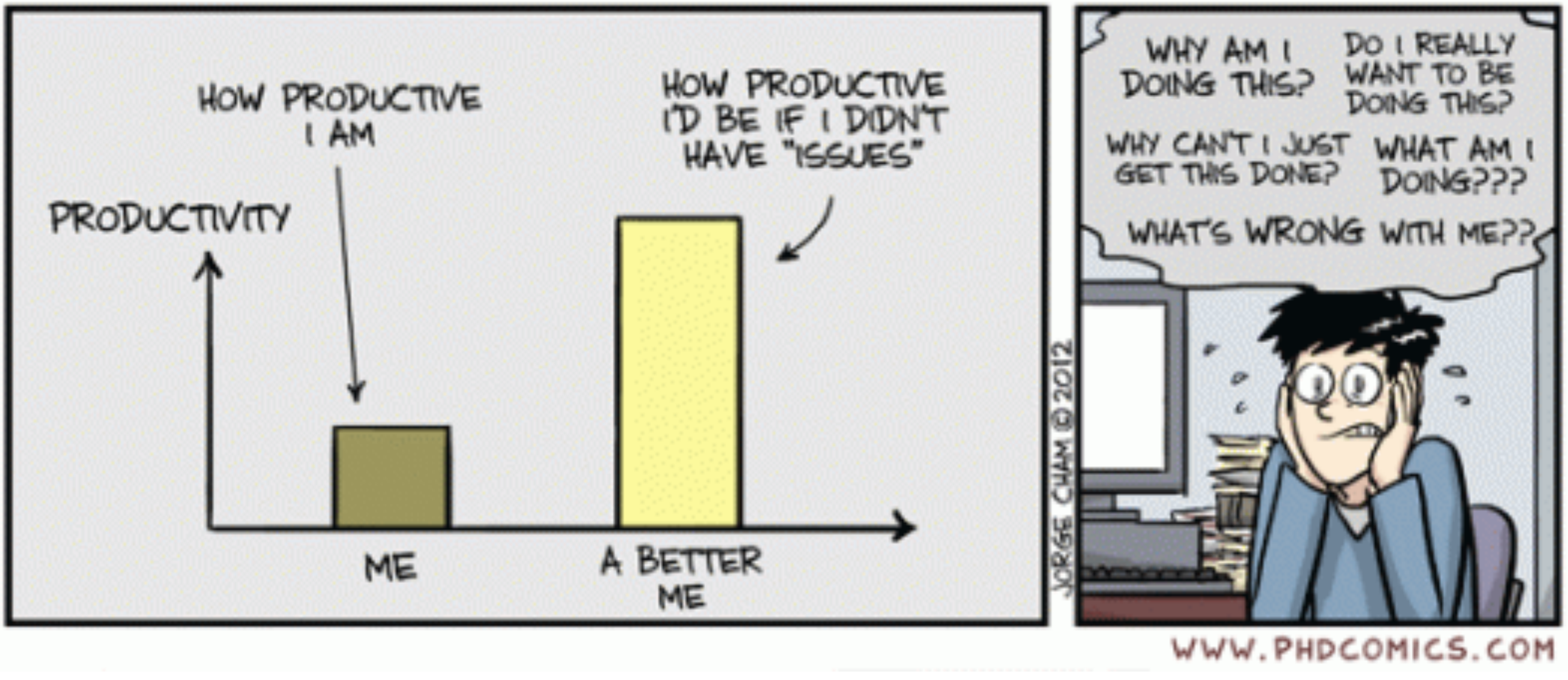

HOW DOES HE DO IT??
YEARS OF PRACTICE. MANY... MANY... YEARS...
ZZZZ ...
www.phdcomics.com
JORGE CHAM ©2003


HOW PRODUCTIVE I AM
HOW PRODUCTIVE I'D BE IF I DIDN'T HAVE "ISSUES"
PRODUCTIVITY
ME
A BETTER ME
WHY AM I DOING THIS?
DO I REALLY WANT TO BE DOING THIS?
WHY CAN'T I JUST GET THIS DONE?
WHAT AM I DOING???
WHAT'S WRONG WITH ME??
JORGE CHAM © 2012
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End of the week

Productivity tips for Quick & Good Research

Gilles Bailly

RJC 2015

QUALITY

Outline

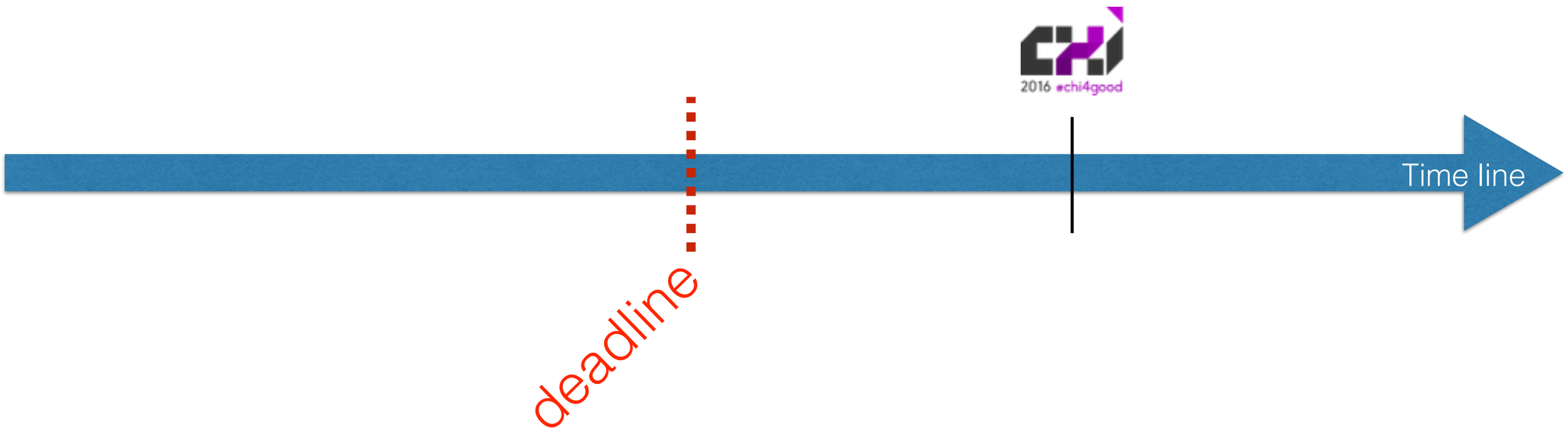
- Time Line
  - paper
  - user Study
  - implementation
  - presentation (slides)
- 1 vs. n: Paper Workshop & quick reviews
- Organize your work

Time line

Paper / User study / Implementation / Conference Talk

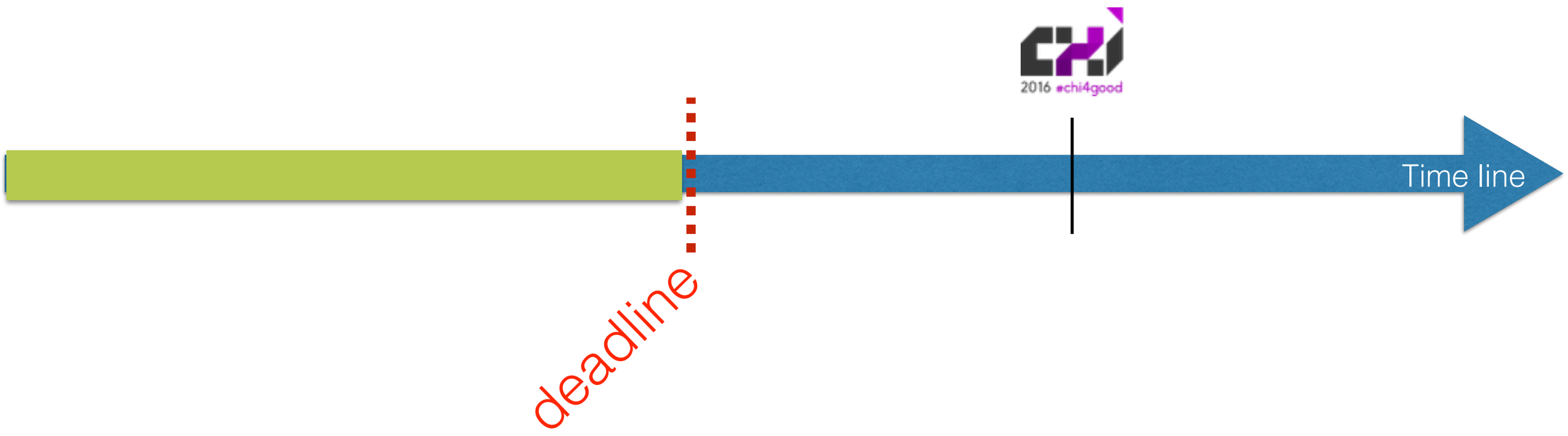
6 months project

Paper



30s Brainstorming

Paper

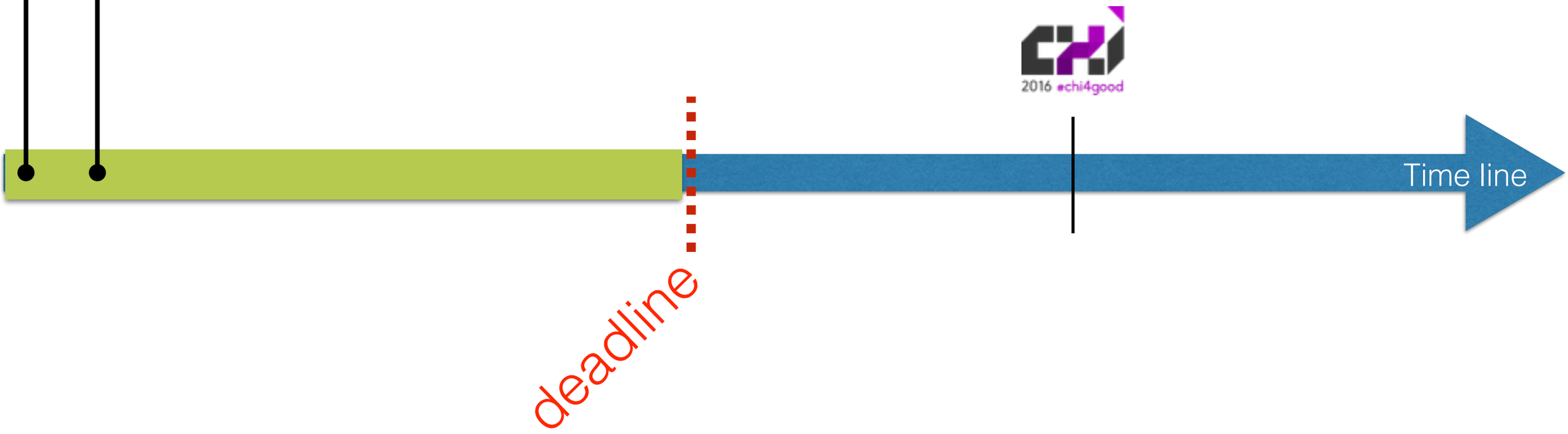


30s Brainstorming

Paper

Introduction

Related Work

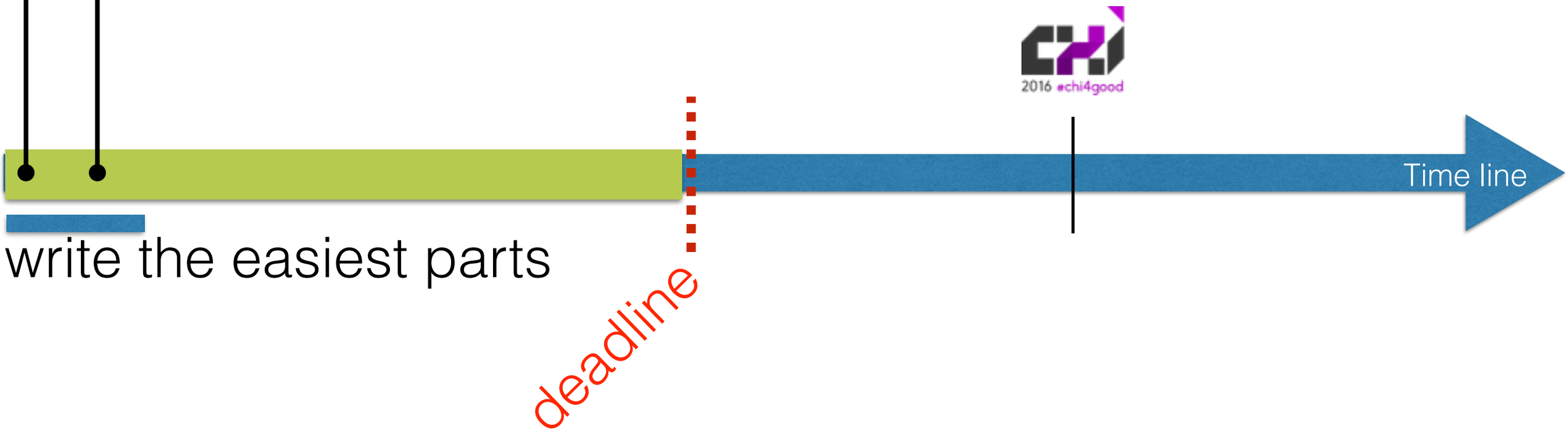


30s Brainstorming

Paper

Introduction

Related Work

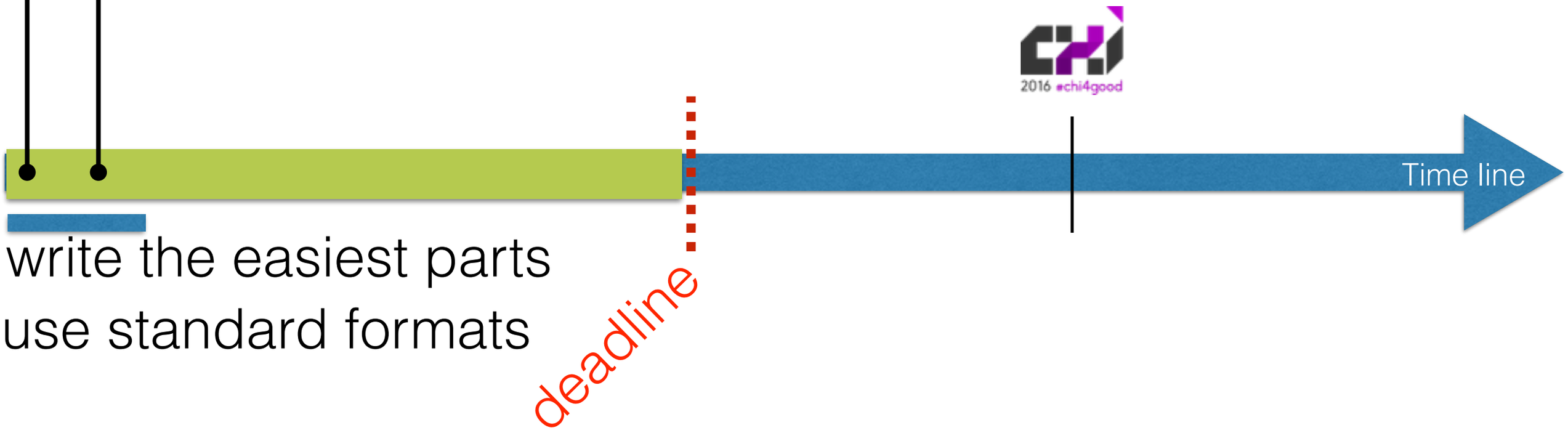


30s Brainstorming

Paper

Introduction

Related Work

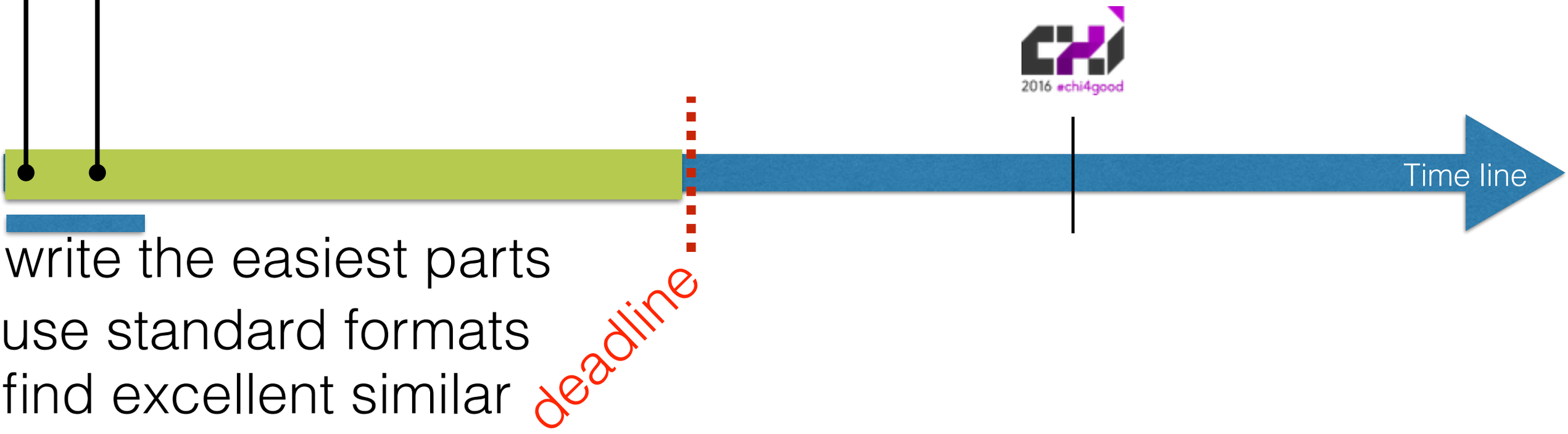


30s Brainstorming

Paper

Introduction

Related Work

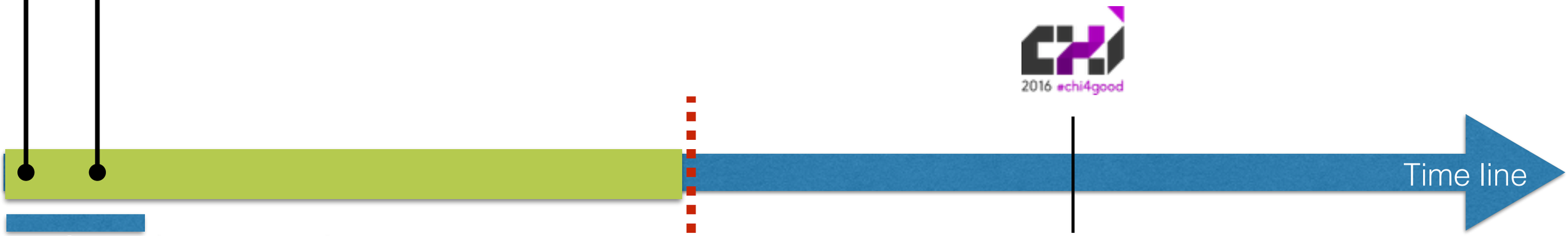


30s Brainstorming

Paper

Introduction

Related Work



write the easiest parts

use standard formats

find excellent similar paper as a guide

deadline

write more

30s Brainstorming

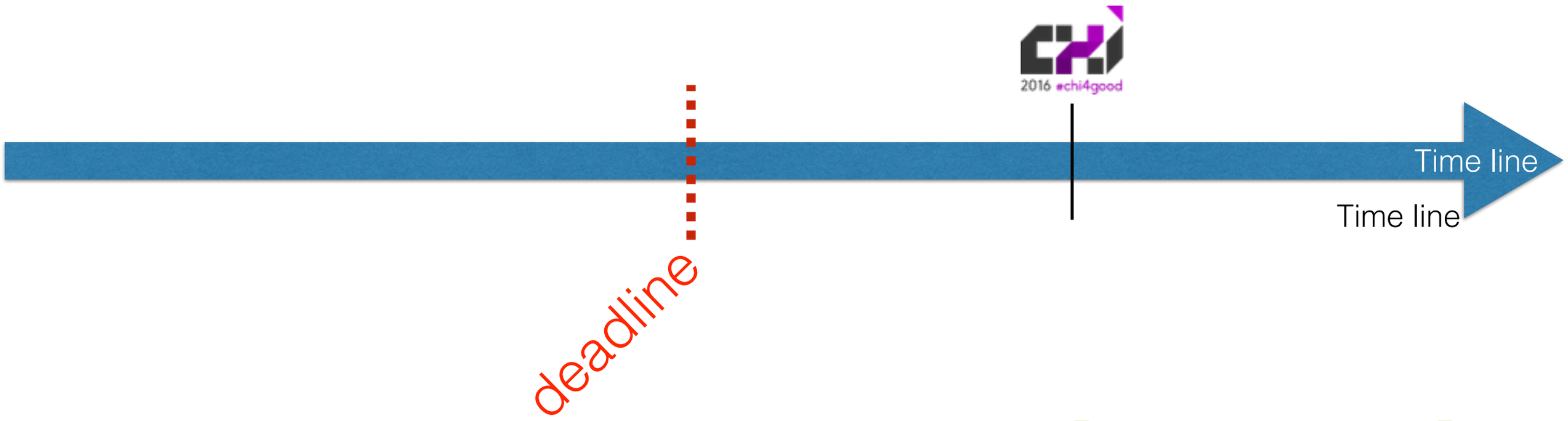
user-test your paper

is your paper poorly written?

make your paper a page too long, give it to friends and say “I need to cut a page, can you help me decide which contents to cut” (works even with the politest people)

do it early, so you can still **make big changes**;
plus they are not working on their own papers yet

User Study



30s Brainstorming

User Study

write protocol / instructions

run pilot study

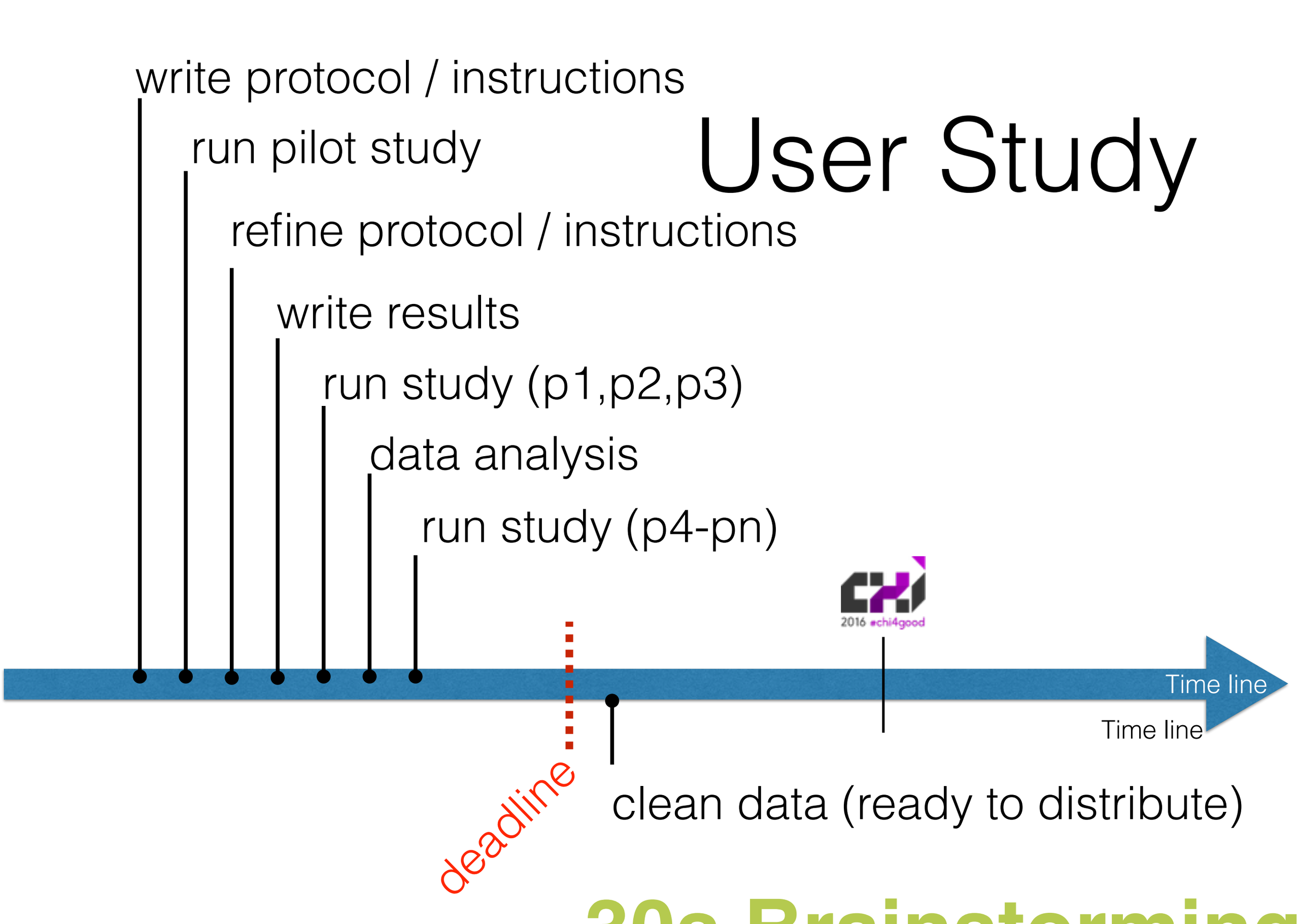
refine protocol / instructions

write results

run study (p1,p2,p3)

data analysis

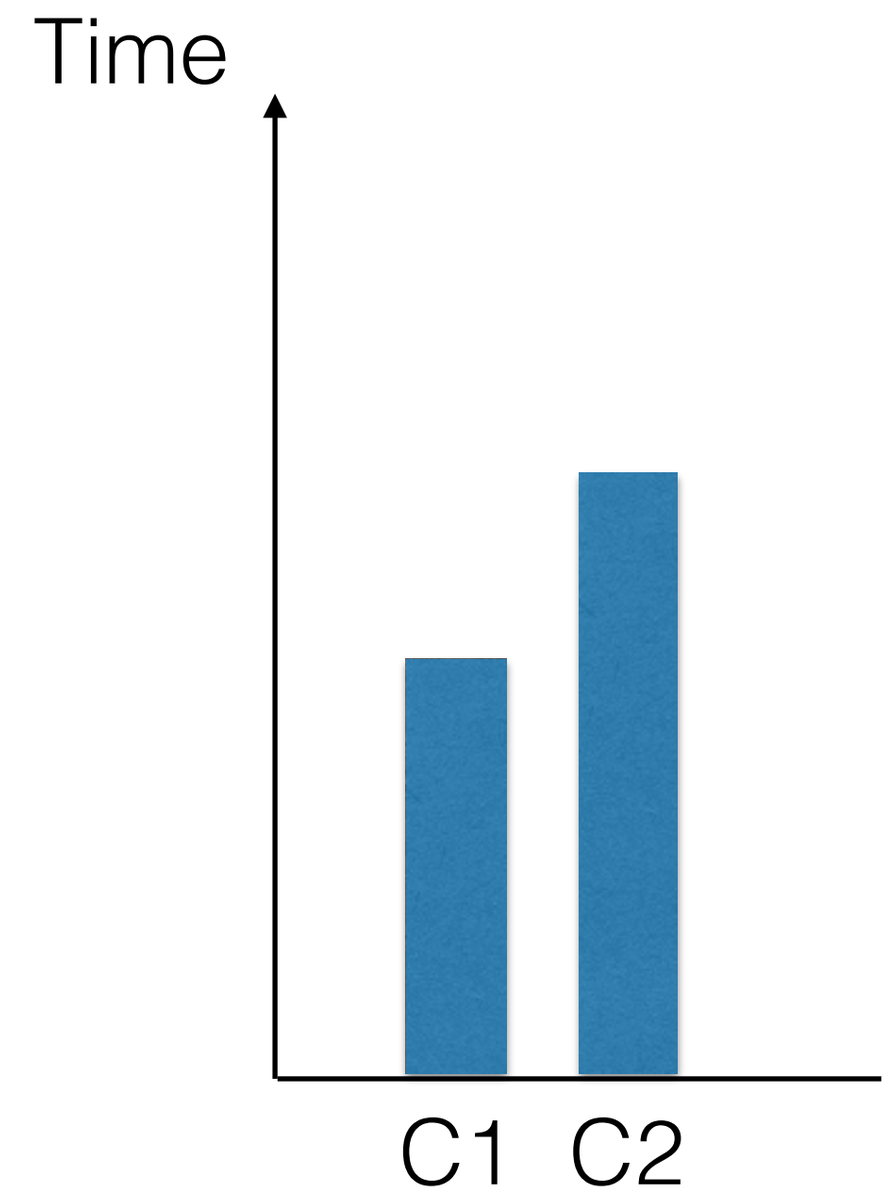
run study (p4-pn)

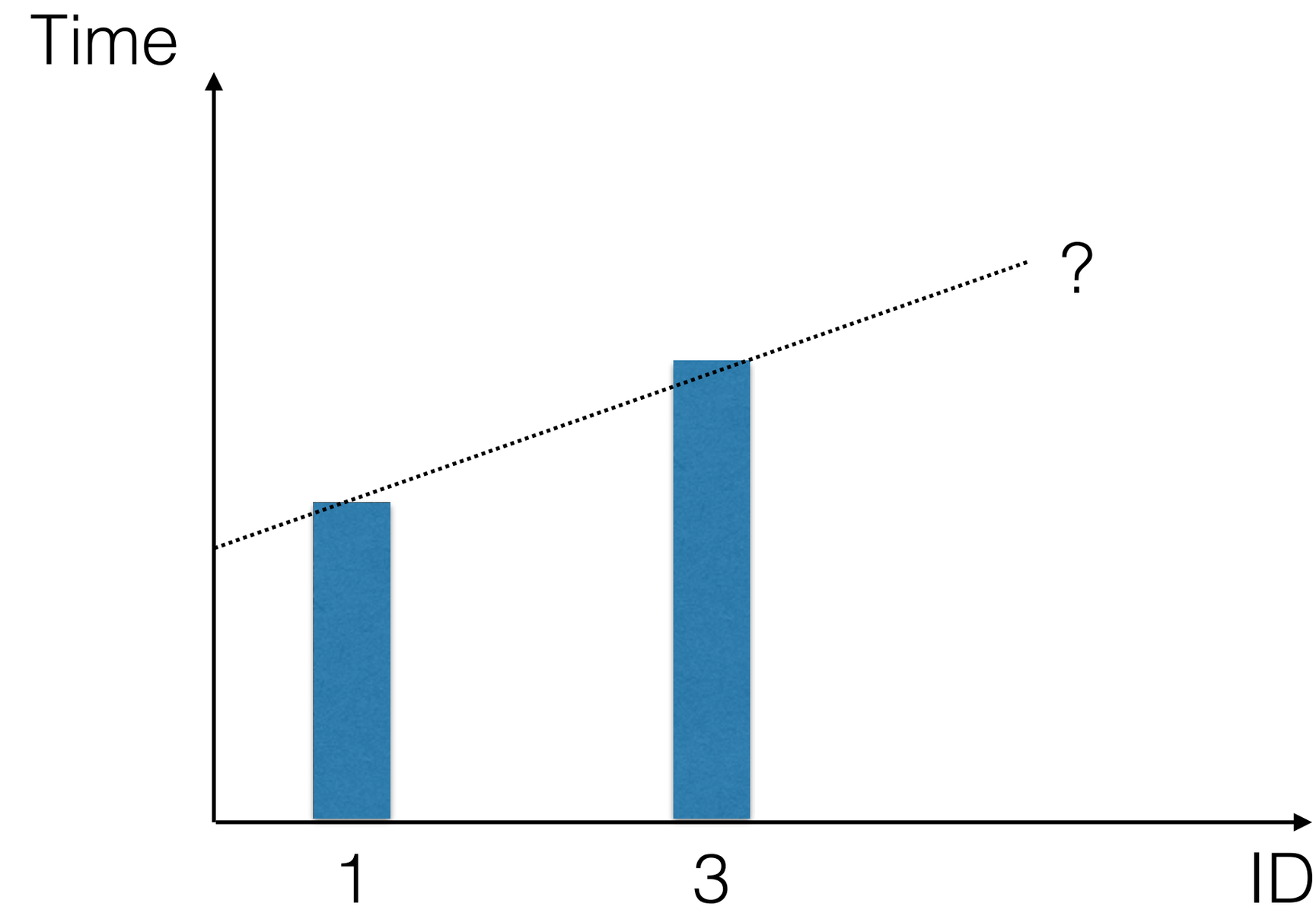


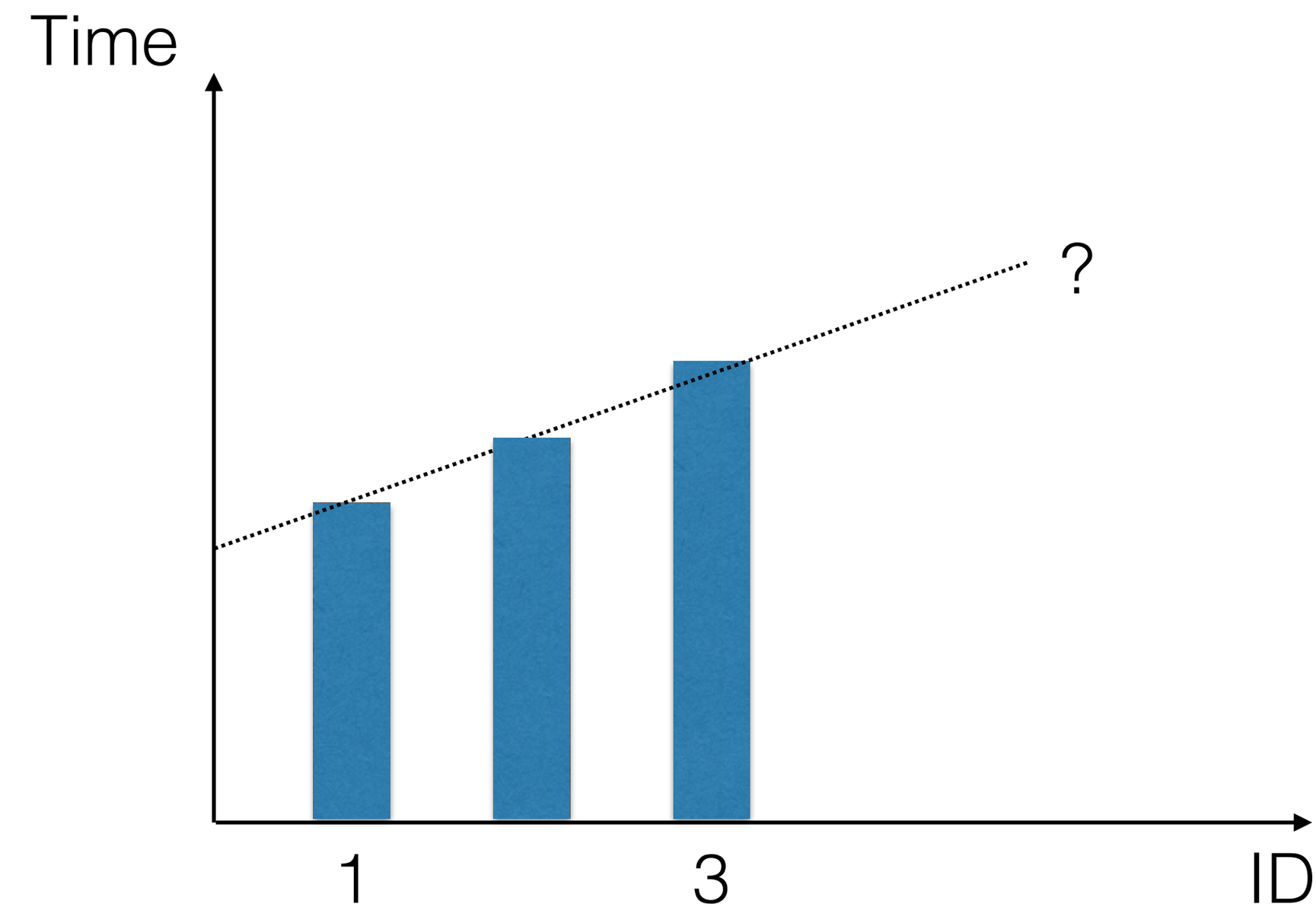
30s Brainstorming

Condition 1

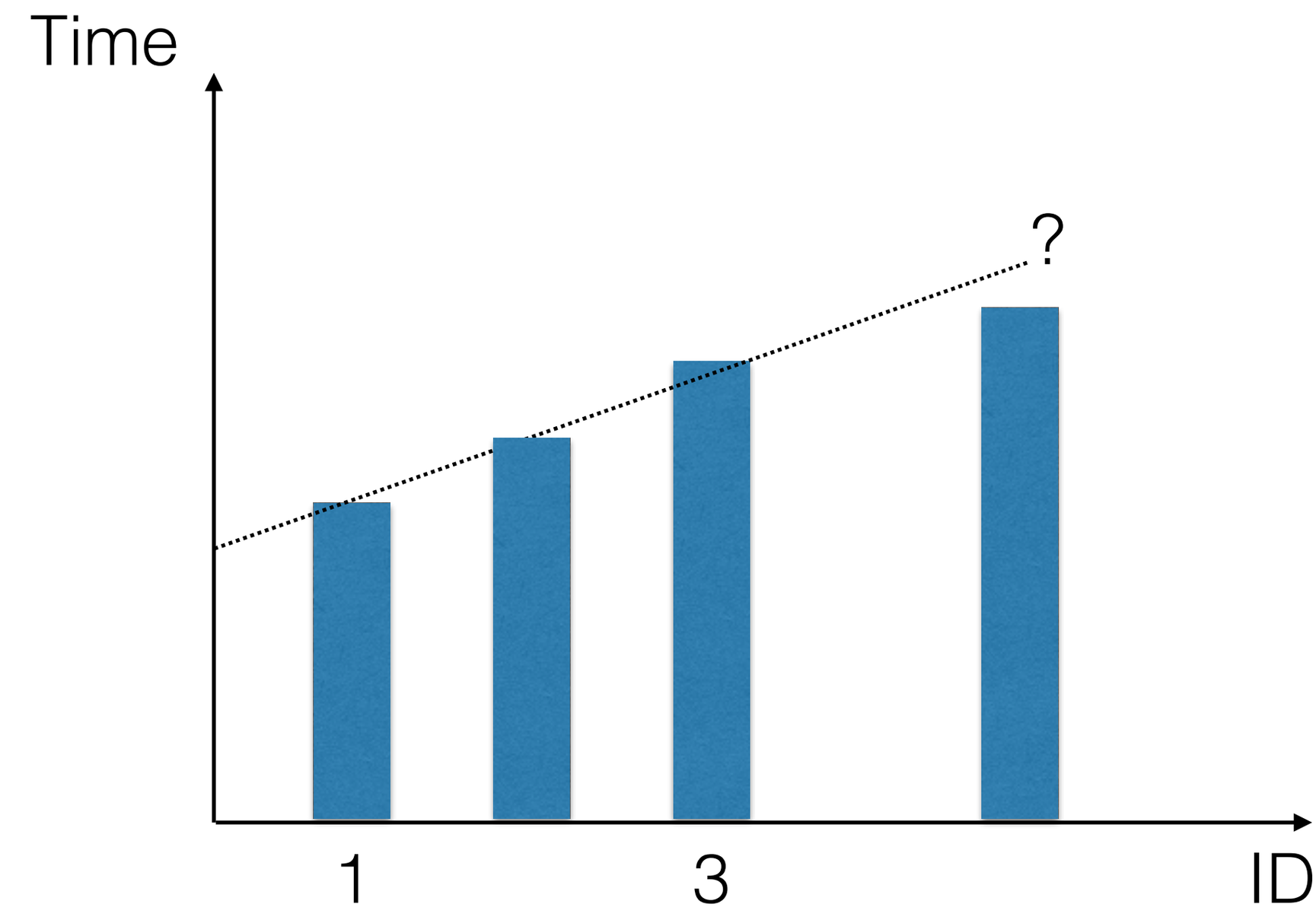
Condition 2


Time
C1
C2

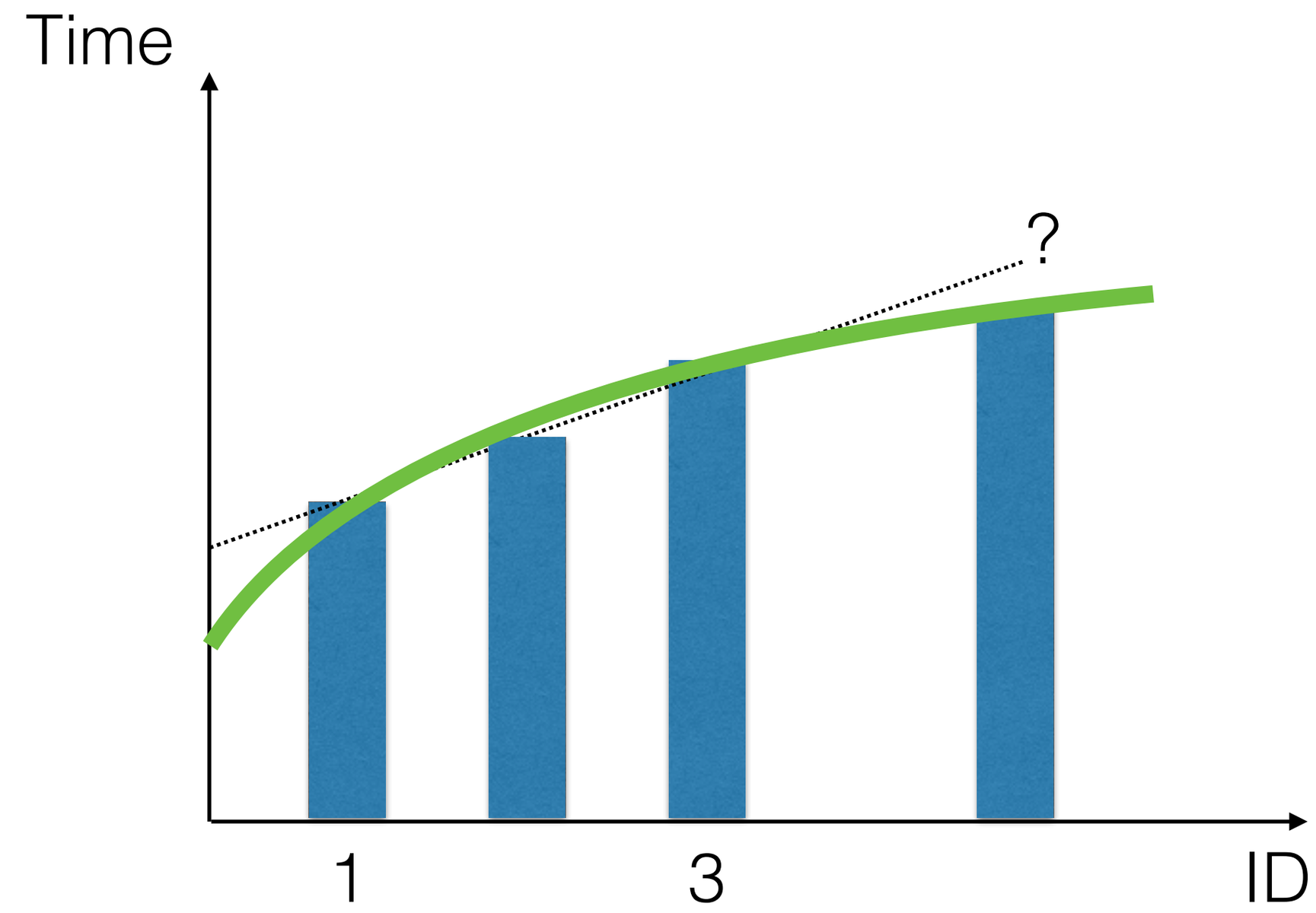

Time
?
1
3
ID


Time
?
1
3
ID

Model

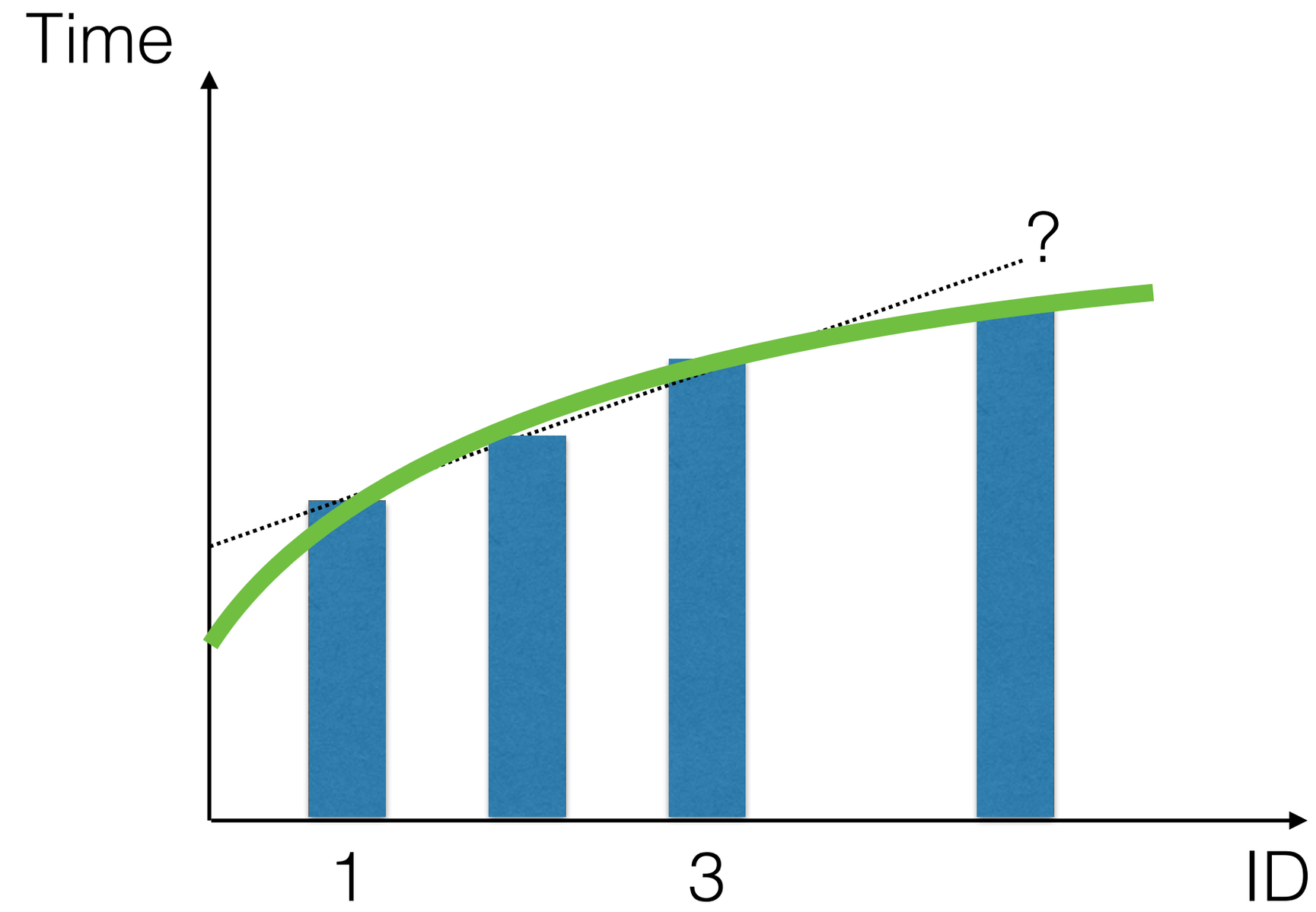


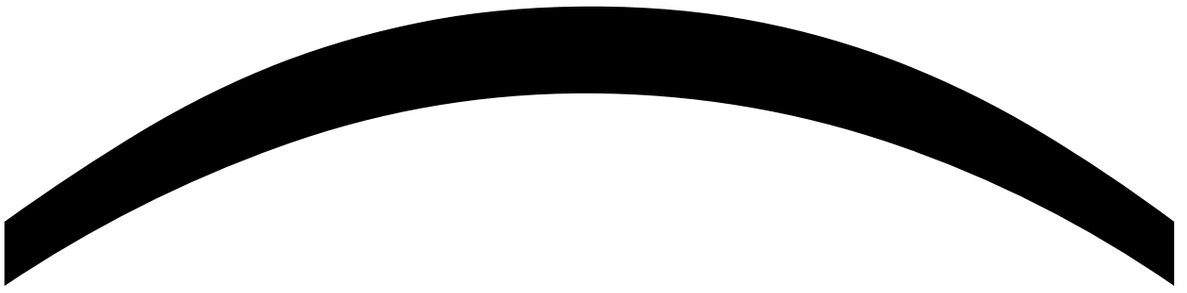
Model



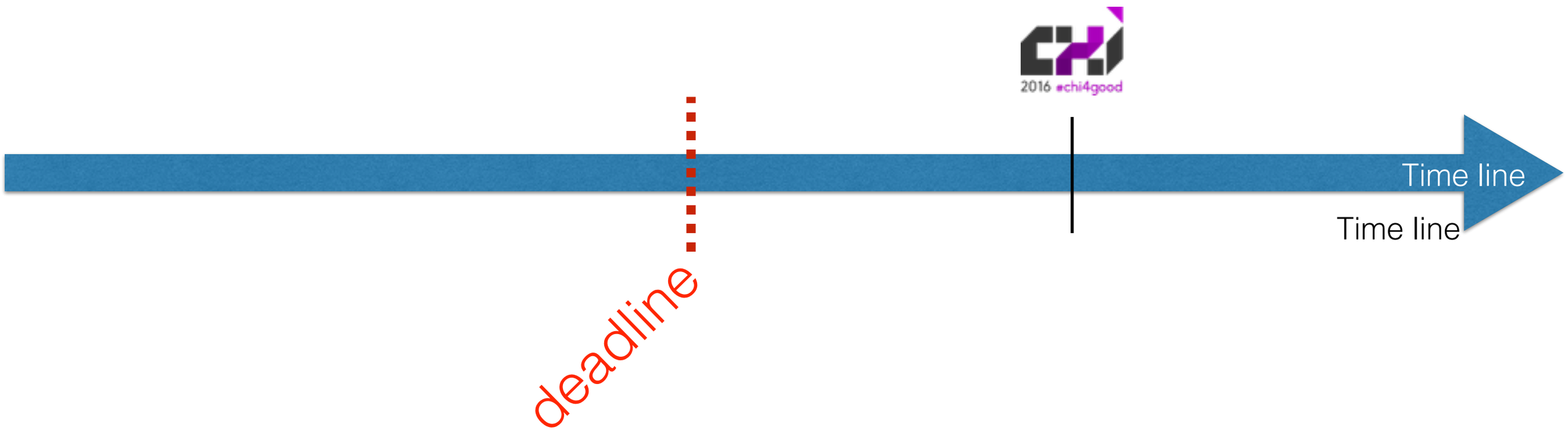
Additional **cost**: generally **small**

Gain: potentially **high** → **Model**





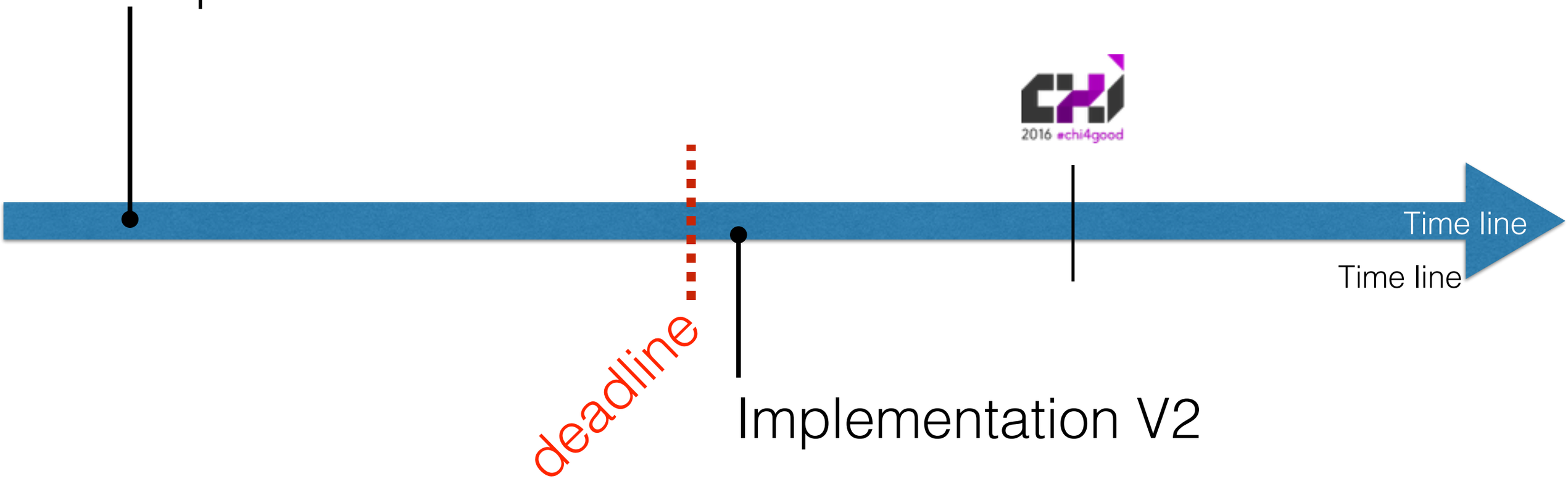
Implementation



30s Brainstorming

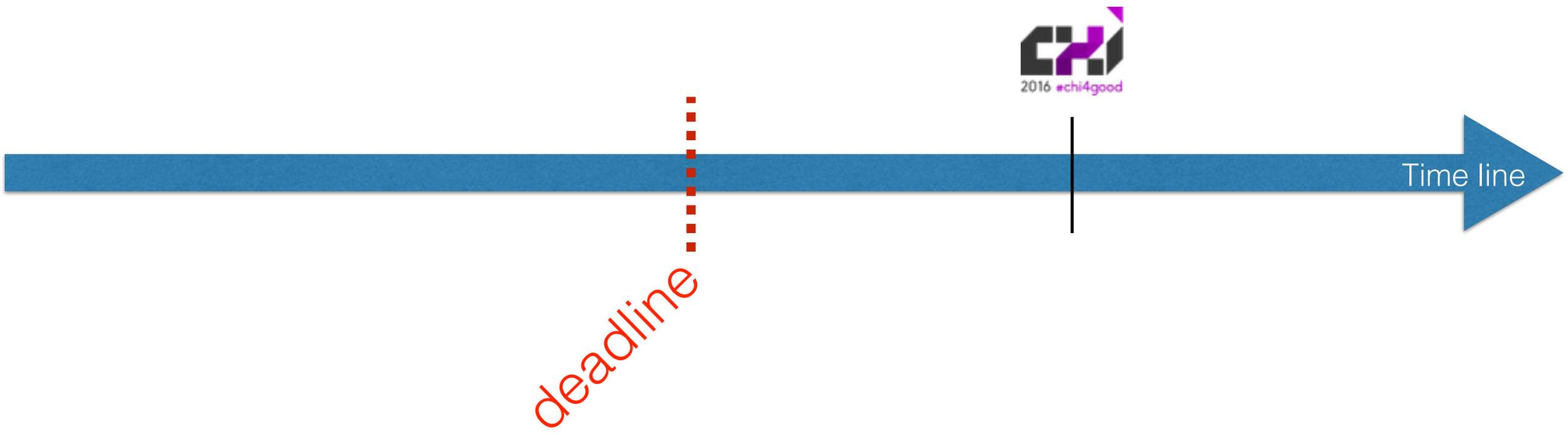
Implementation

Implementation V1



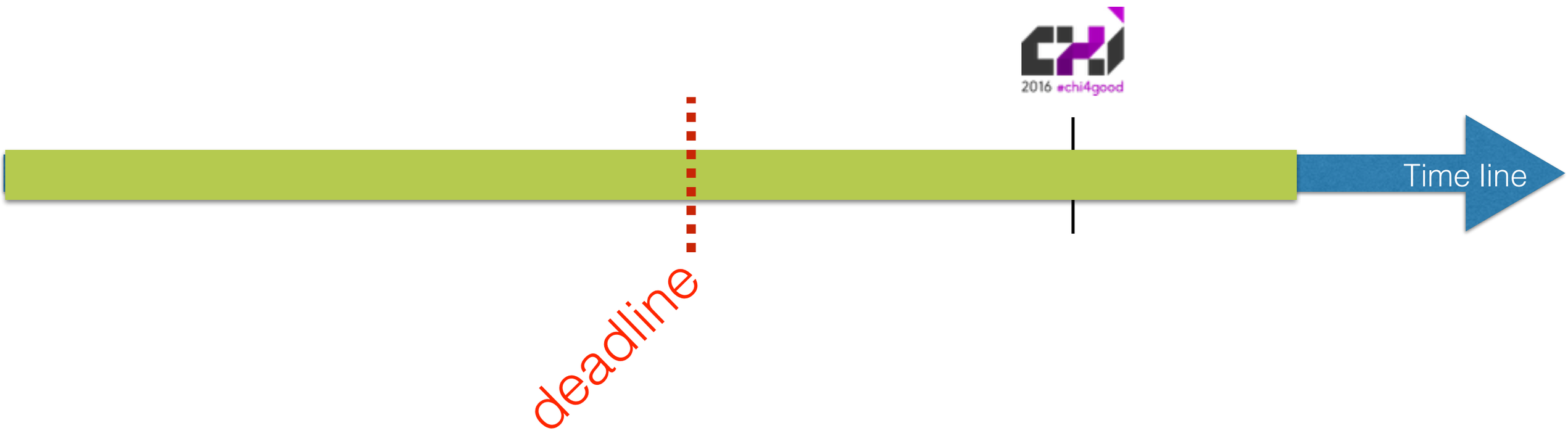
30s Brainstorming

Conference Talk



30s Brainstorming

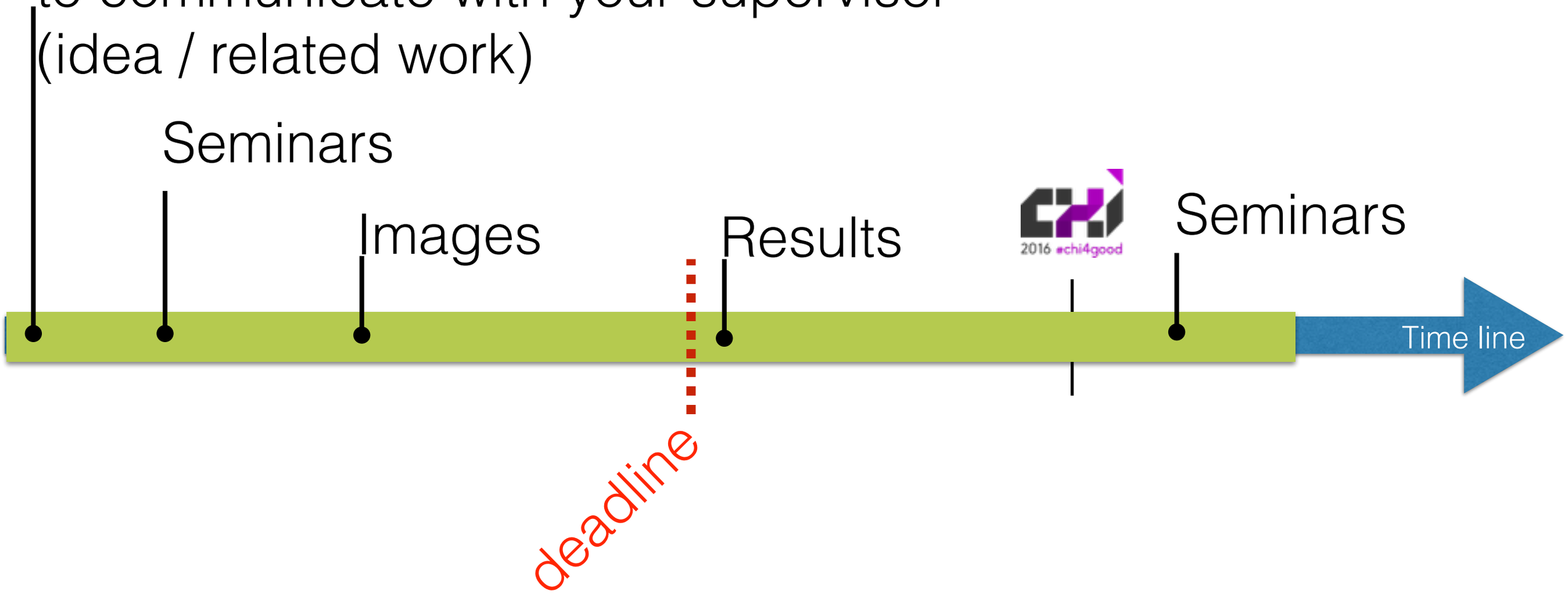
Conference Talk



30s Brainstorming

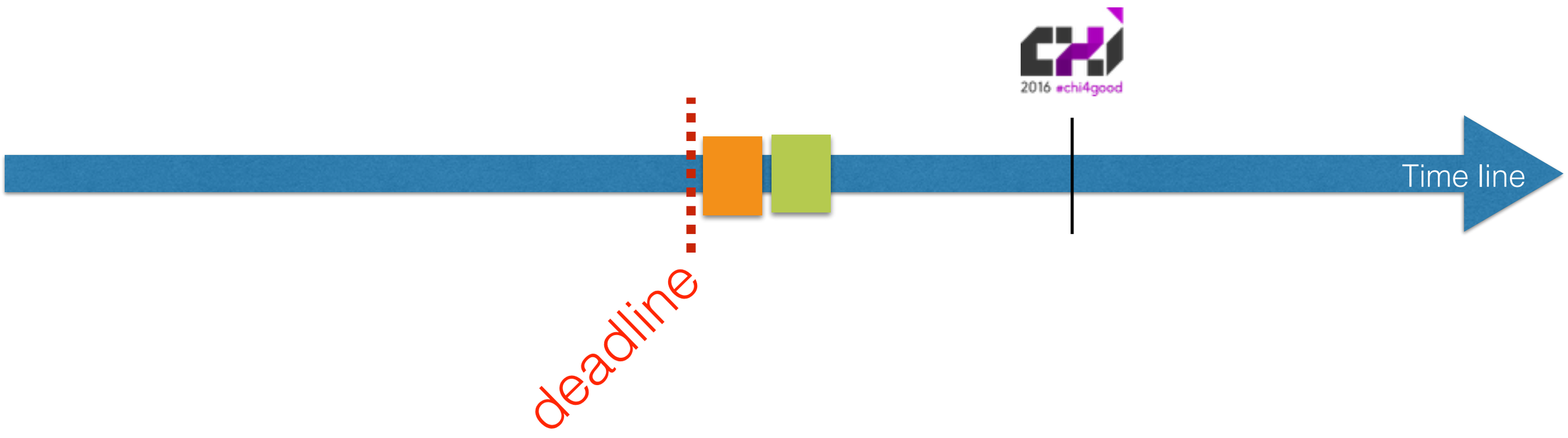
Conference Talk

to communicate with your supervisor
(idea / related work)

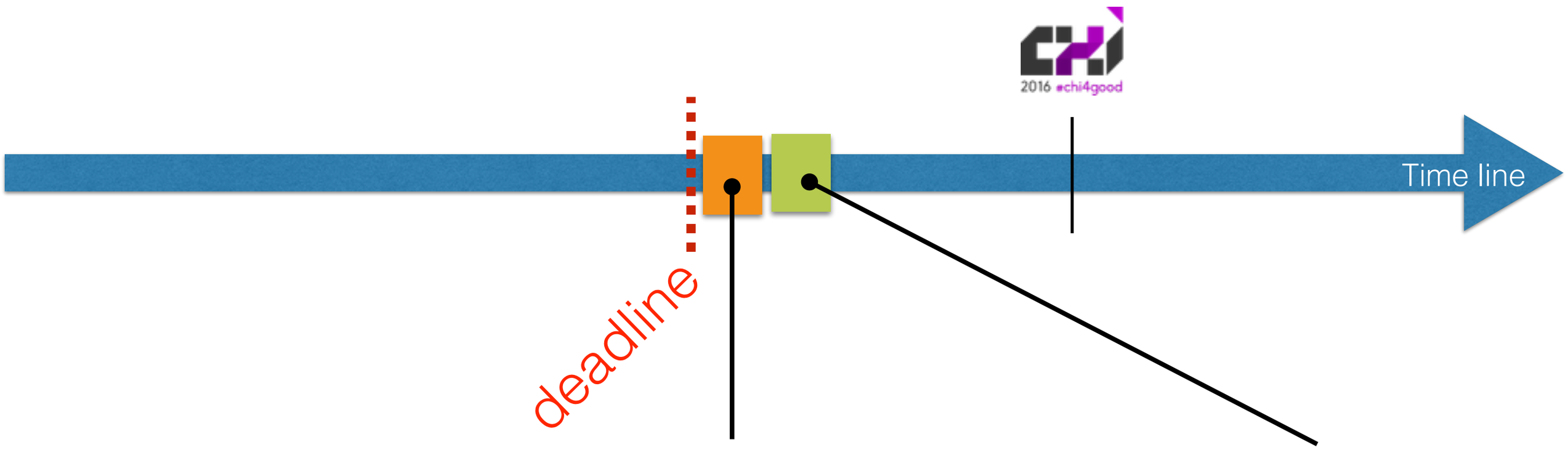


30s Brainstorming

Timeline (holidays)



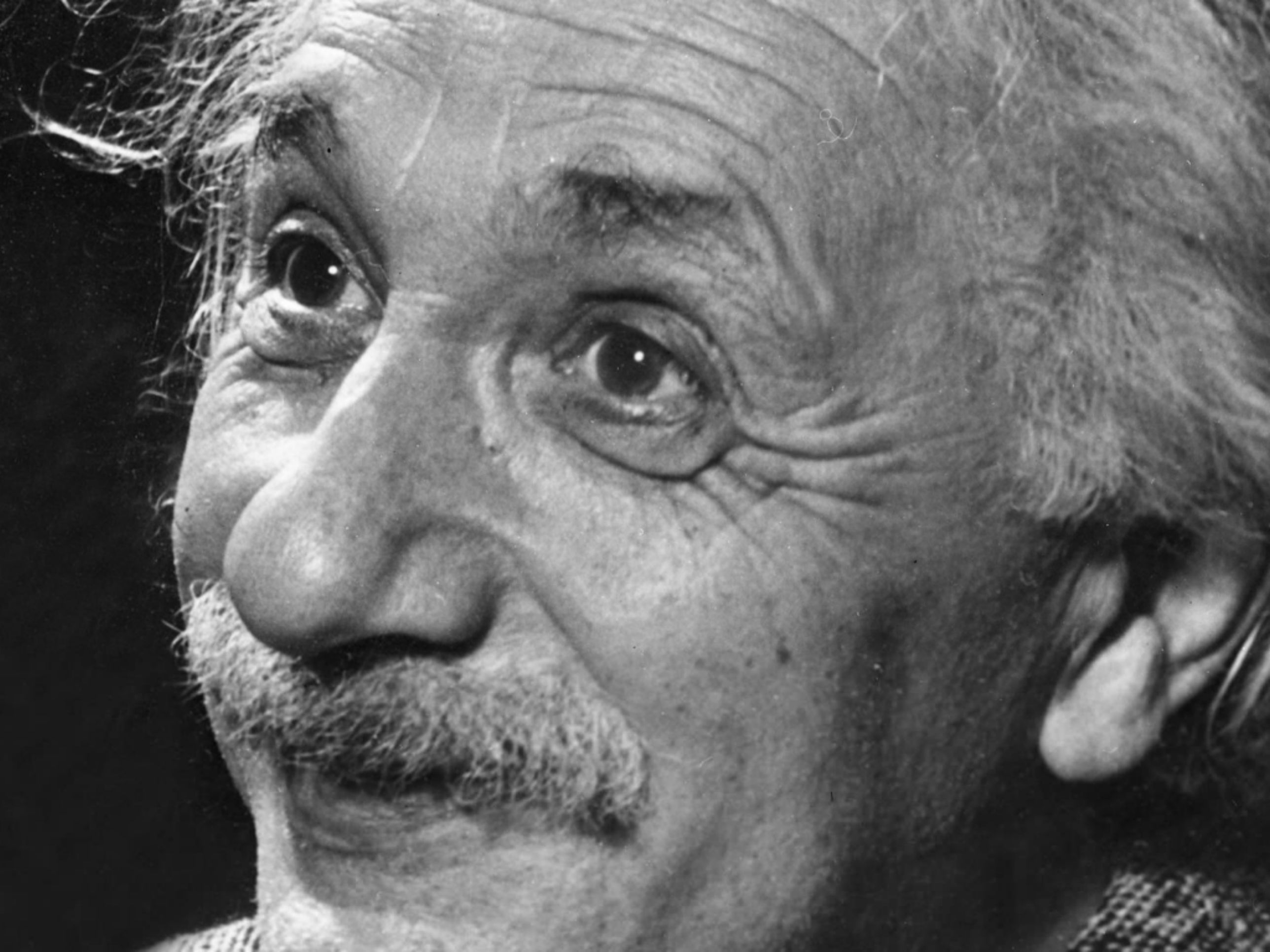
Timeline (holidays)



1 week:
implementation
data/scripts
conference talk
things you postponed

Outline

- Time Line
  - paper
  - user Study
  - implementation
  - presentation (slides)
- 1 vs. n: Paper Workshop & quick reviews
- Organize your work



TEAM
TOGETHER
EVERYONE
ACHIEVES
MORE

1. Ne vous cachez pas
2. Posez des questions
3. Faites vous critiquer
4. Apprenez des autres
5. Entourez vous

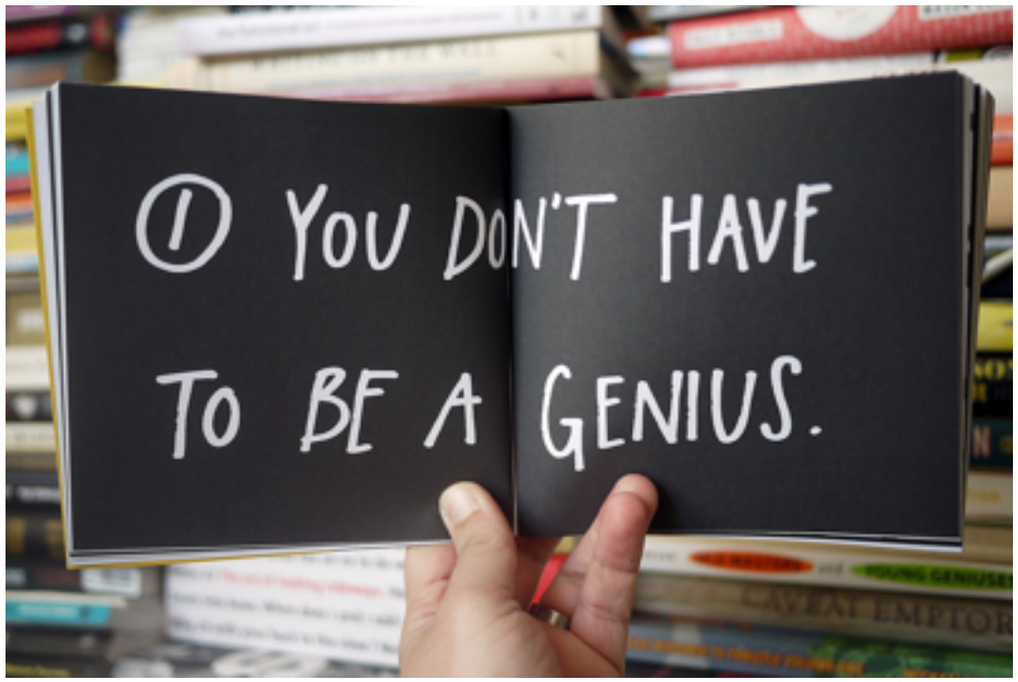
1. Ne vous cachez pas

Le mieux est l'ennemi du bien

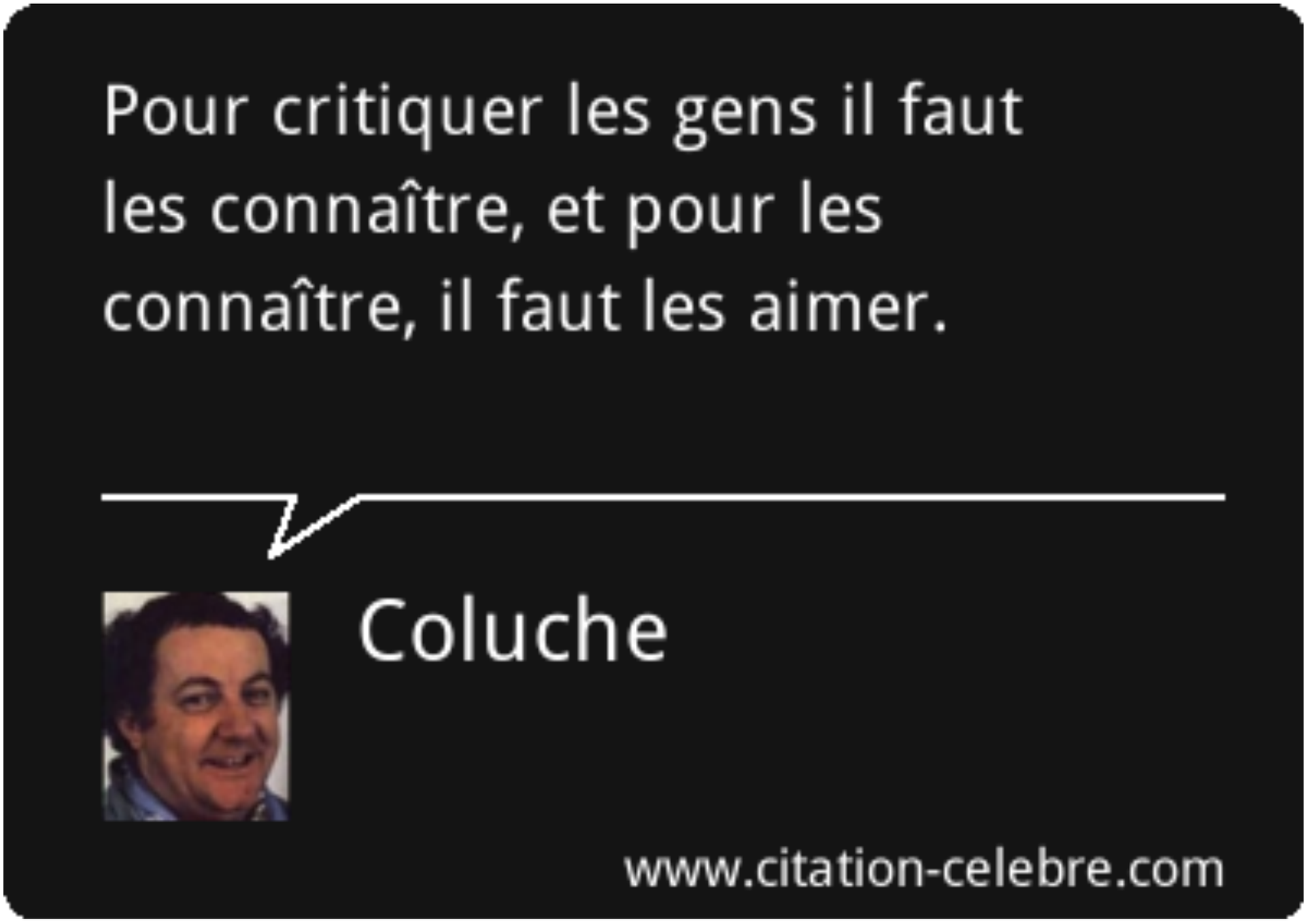
J'envoie quand c'est parfait

Peur d'être plagié?

2. Posez des questions



3. Faites vous critiquer



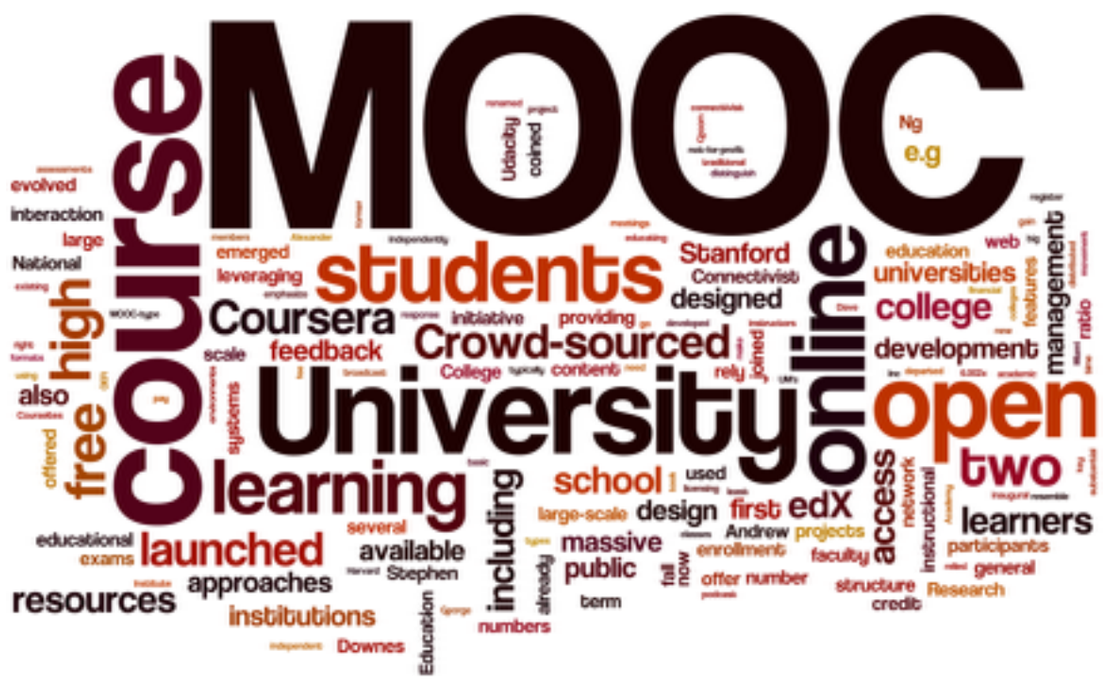
4. Apprenez des autres

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

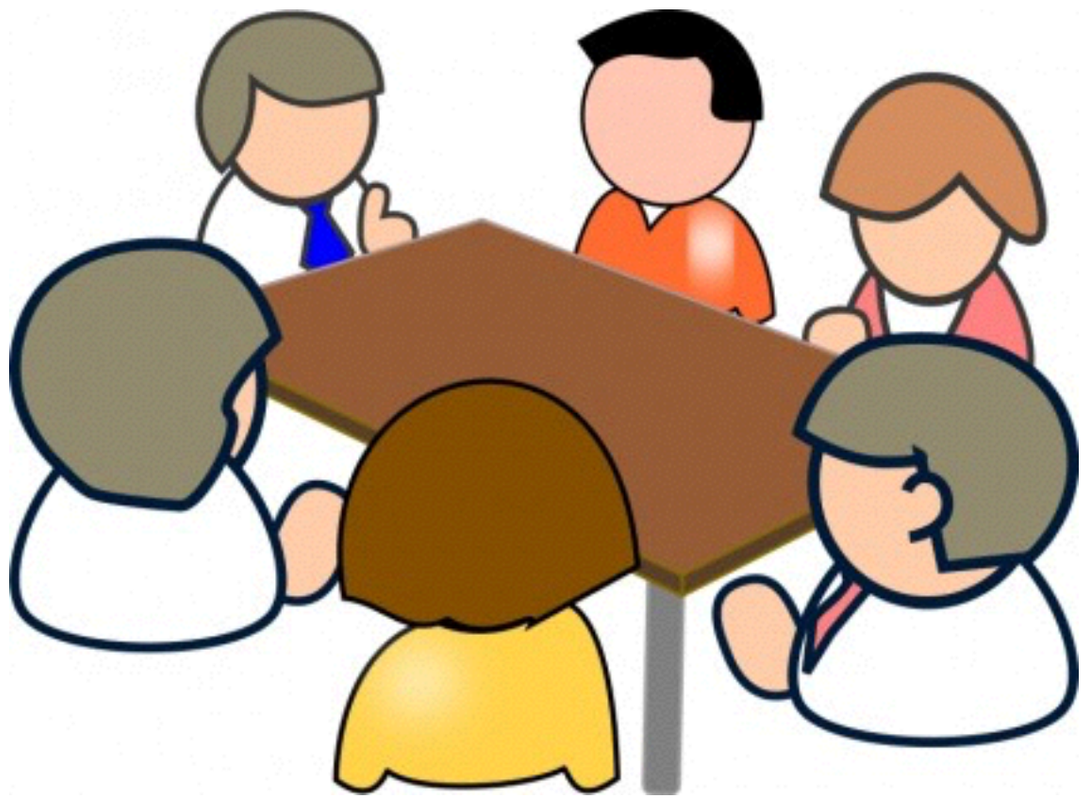
Academic and Professional Writing: Writing a Research Paper
https://writing.wisc.edu/Handbook/PlanResearchPaper.html
Although this list suggests that there is a simple, linear process to writing such a paper, the actual process of writing a research paper is often a messy and ...



5. Entourez vous

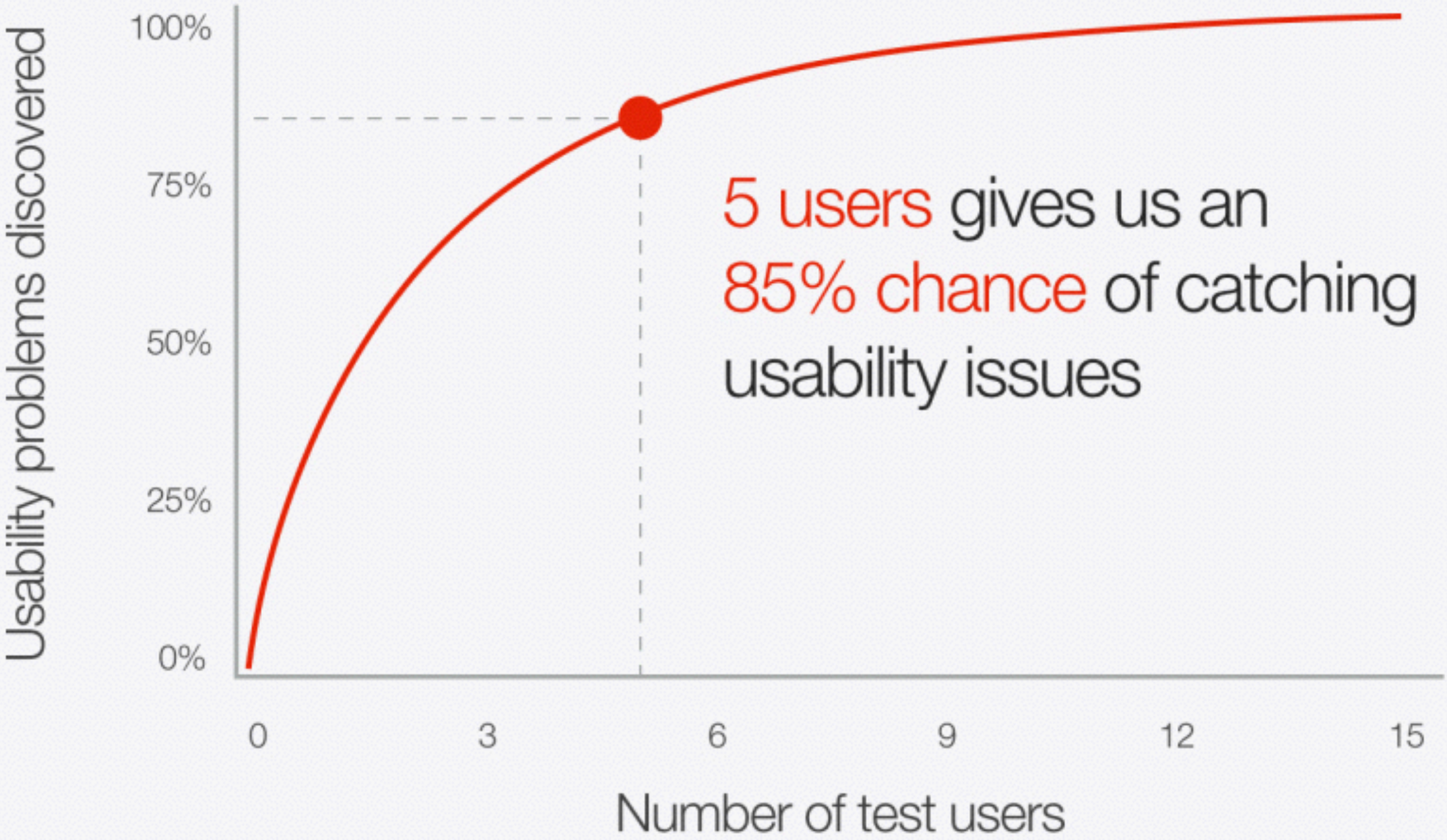
Paper Workshop

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 believe you"
- Team spirit
- Team awareness

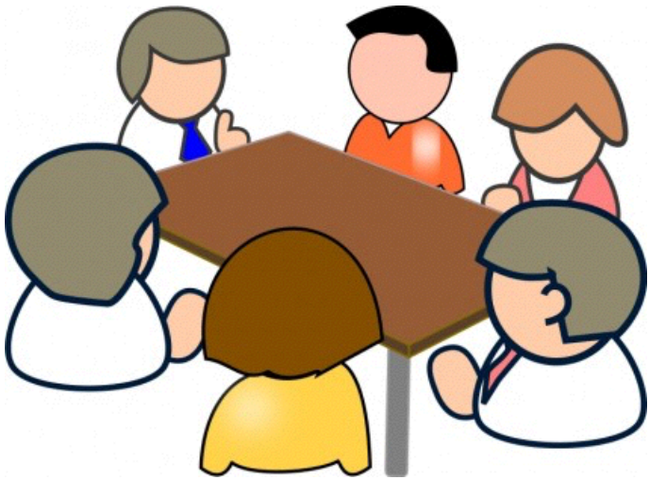
What?

2 phases

- **Review**: 5-10 min per paper.
  It is approximately the time the 2nd AC will spend on your paper ☺

- **Analyze**: 10-15 min per paper.

  Example: 6 participants (6 papers)
  6 x 10 + 6 x 10 = **2 hours**.



Who?

Author explains

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

Moderator manage sessions

- time keeper; keep comments constructive, avoid debates

Participants (include author, internships, 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
- lake 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 get 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?

Outline

- Time Line
  - paper
  - user Study
  - implementation
  - presentation (slides)
- 1 vs. n: Paper Workshop & quick reviews
- Organize your work

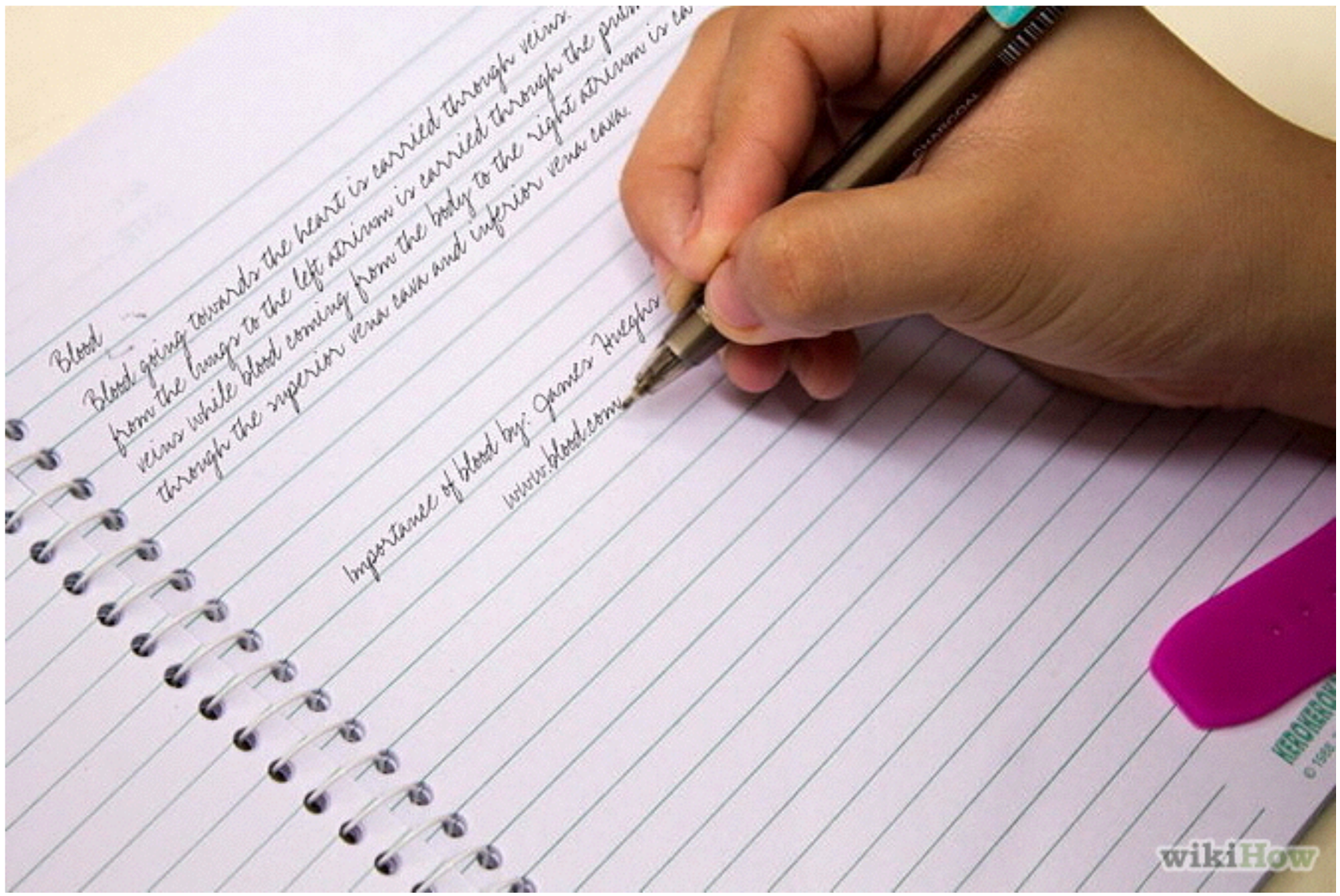
Organize your work

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
7. Work hard

1. Write things down: Take Notes

Not more not less



1. Write things down:
Make Schedules and Deadlines

Todo list 1 (day)

- do not go to bed before it is finished

Todo list 2 (weekend)

- the weekend as a buffer

To be defined during the meetings

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 review?
- Why are you waiting for replying emails?
- If you need to learn a tool, learn this tool now

2. Do not Procrastinate

Secondary Tasks

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

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

Commit vs. Perfection

4. Give everything a home

Declutter regularly

- Desk
- Computer
- Code,
- etc.

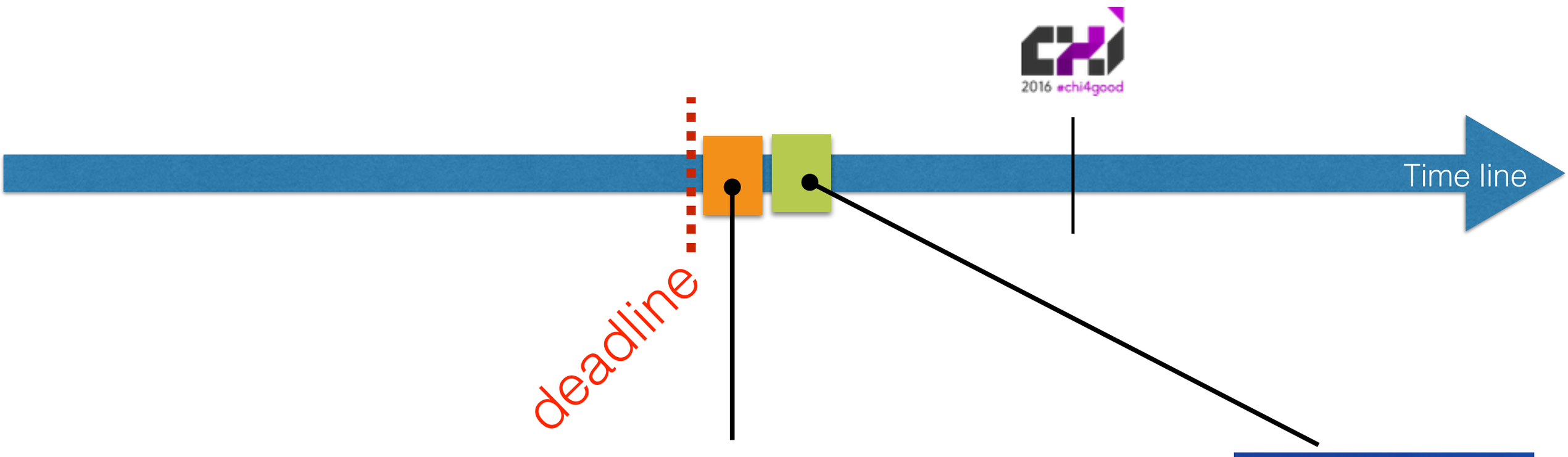
4. Give everything a home

Declutter regularly

- Desk
- Computer
- Code,
- etc.

Did I say that already?

Timeline (conclusion)



1 week:
implementation
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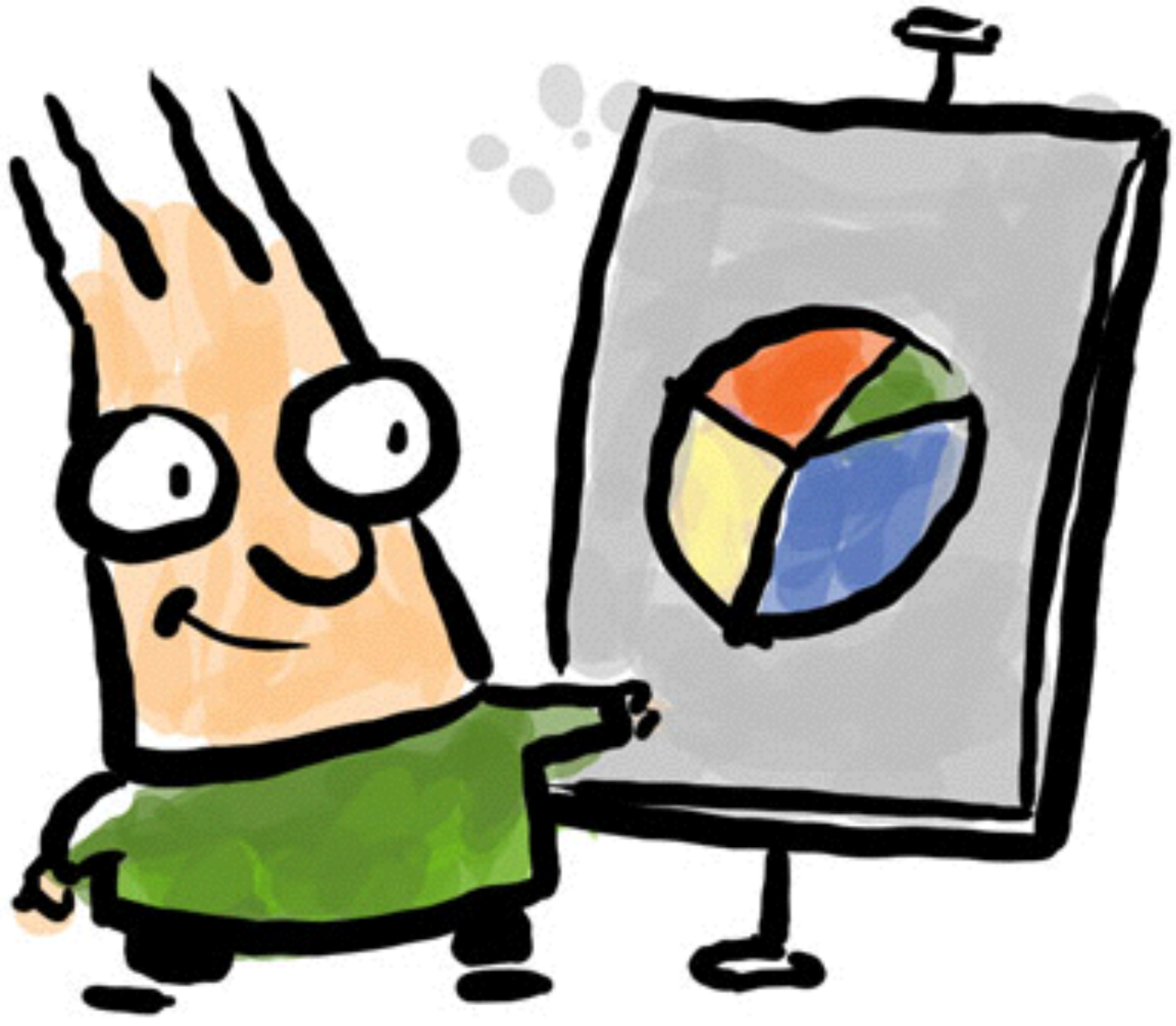
- etc.

LA FARAND

4. Give everything a home

Declutter regularly

- Desk
- Computer
- Code,
- etc.

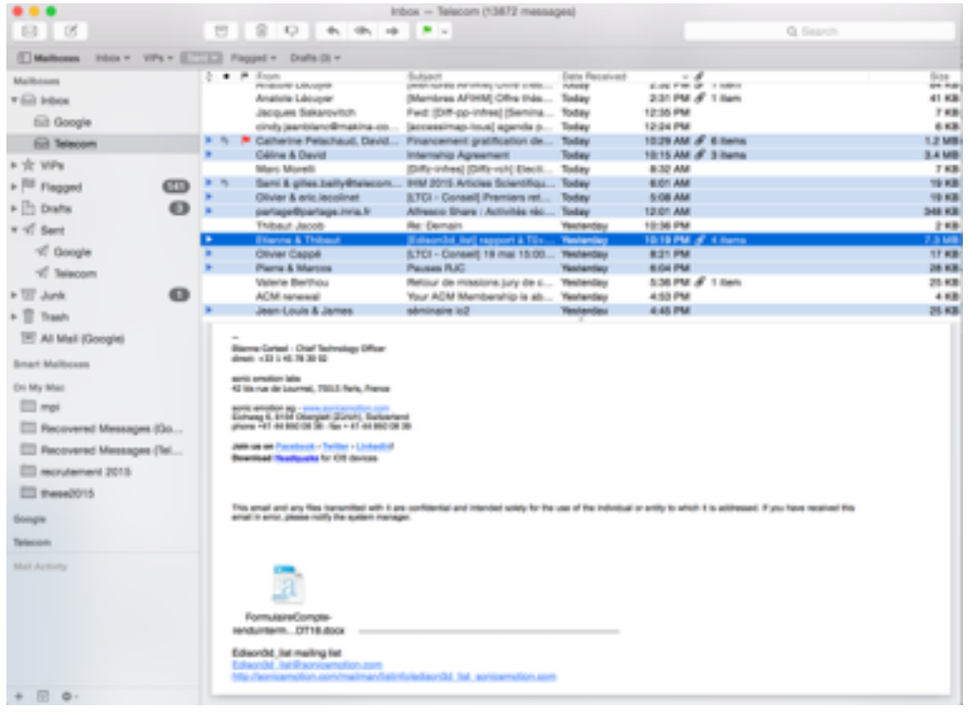


5. Do not waste your time

6. Delegate

Use your supervisors/colleagues … they will be happy

Implicit

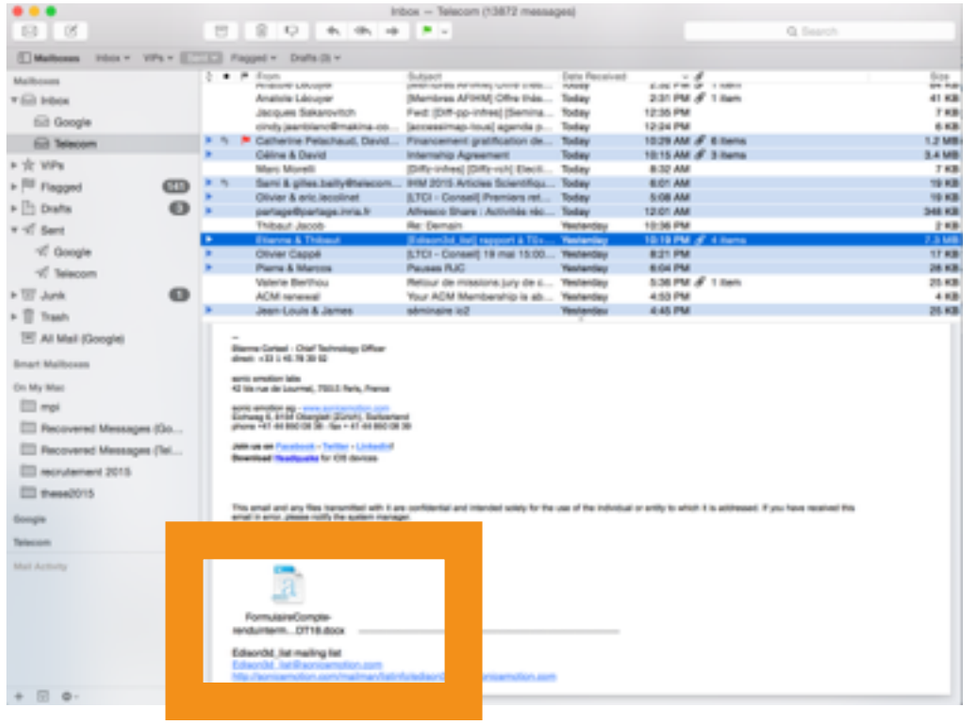


Explicit

6. Delegate

Use your supervisors/colleagues … they will be happy

Implicit



Explicit

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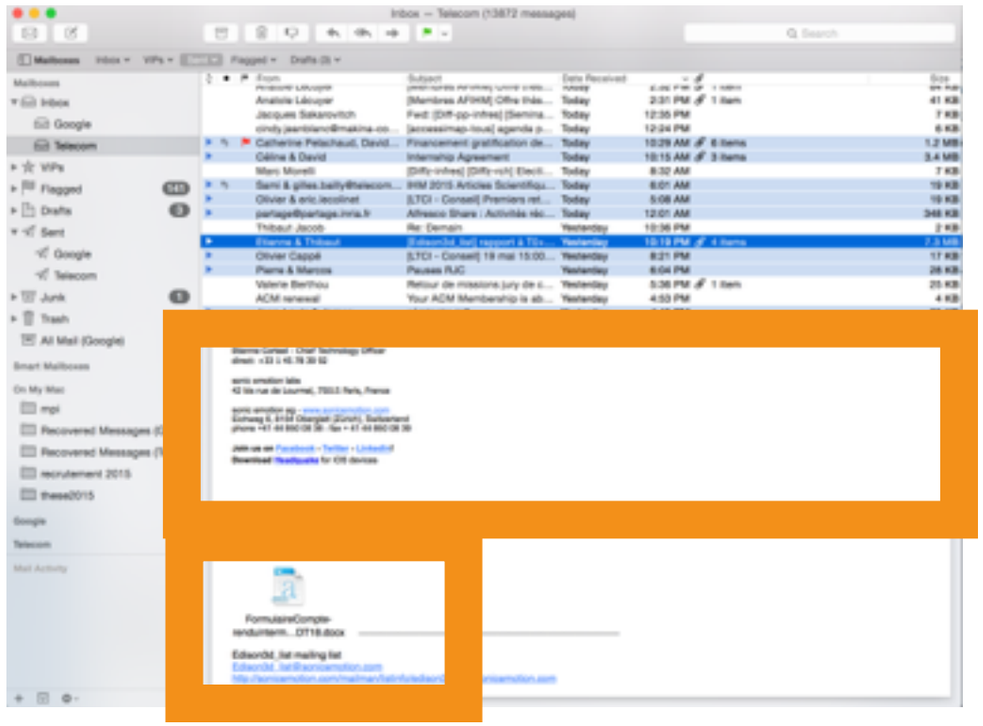
Implicit

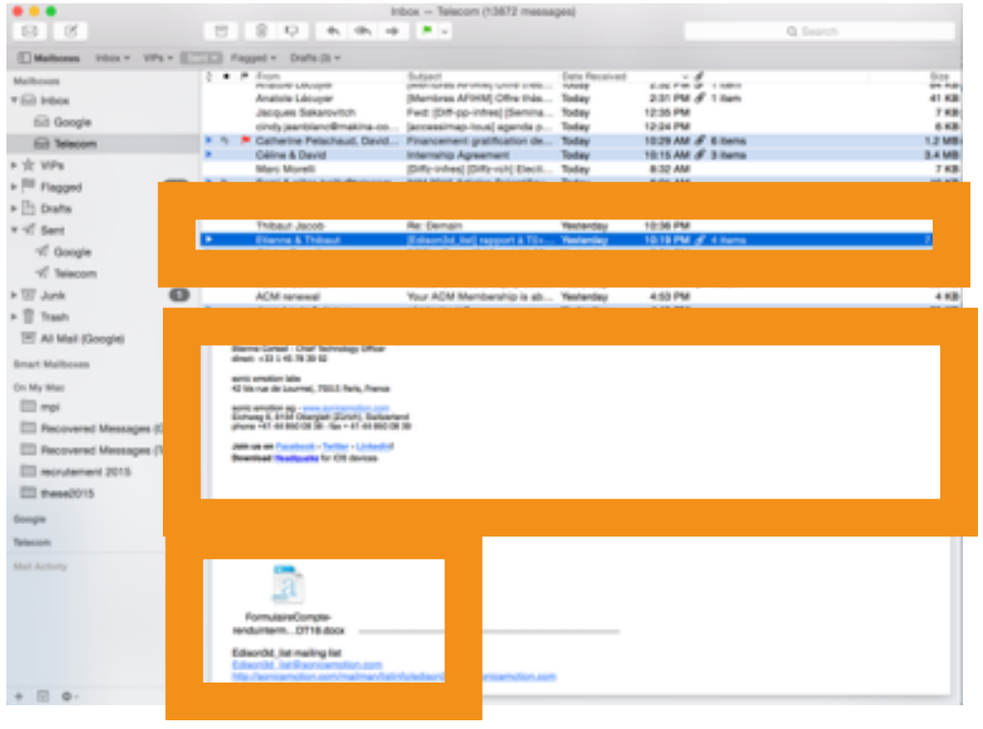


Explicit

6. Delegate

Use your supervisors/colleagues … they will be happy

Implicit



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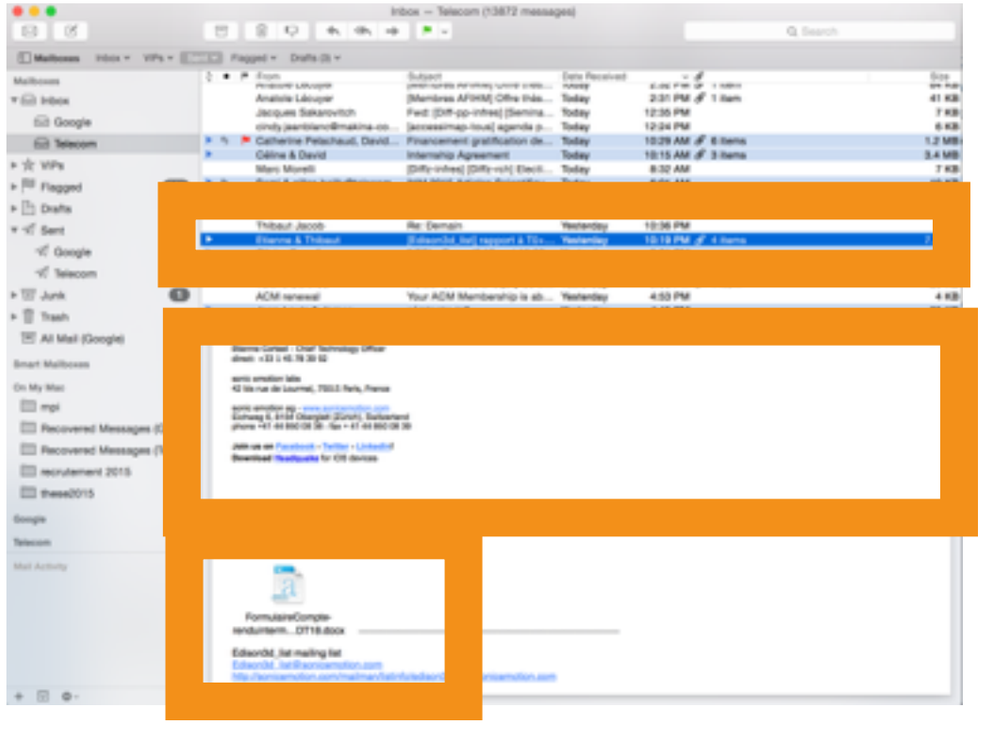

Explicit

Did I say that already?

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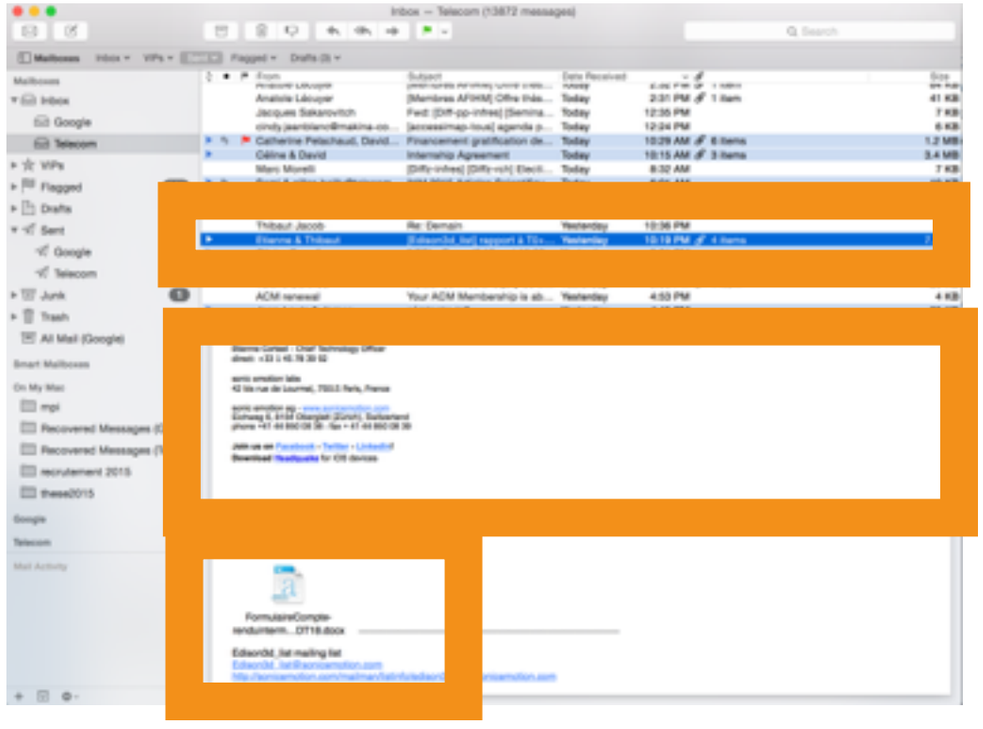
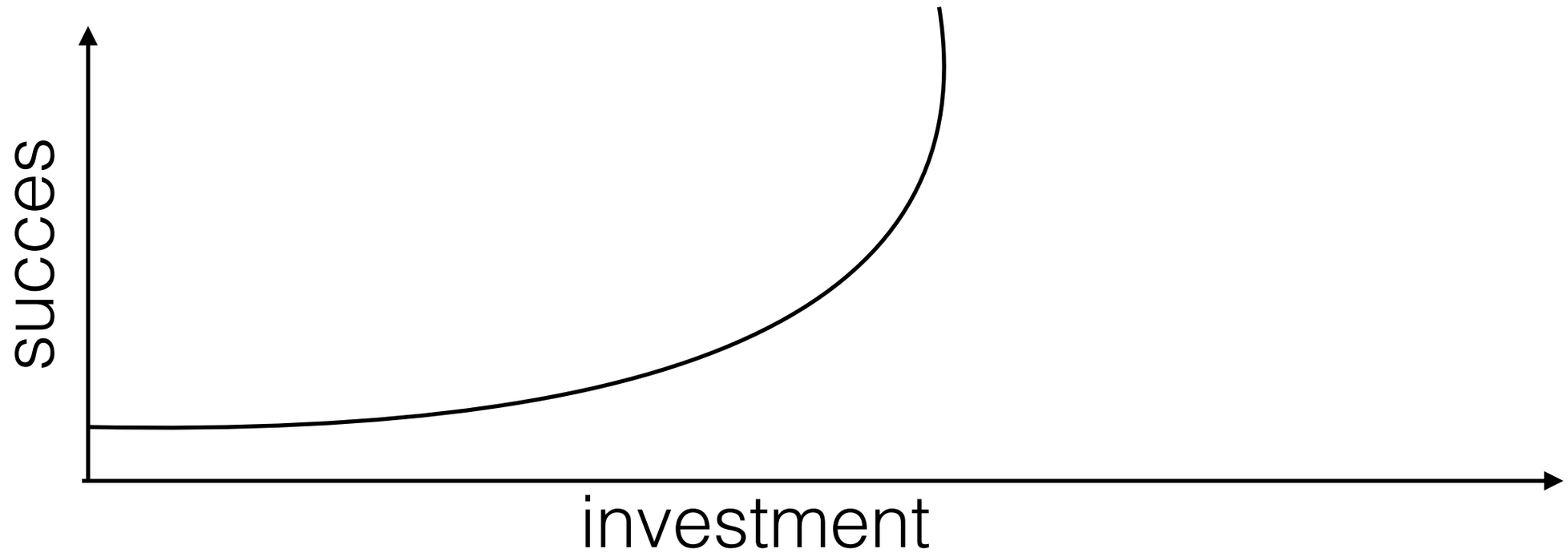


Explicit

Did I say that already?

Paper workshop

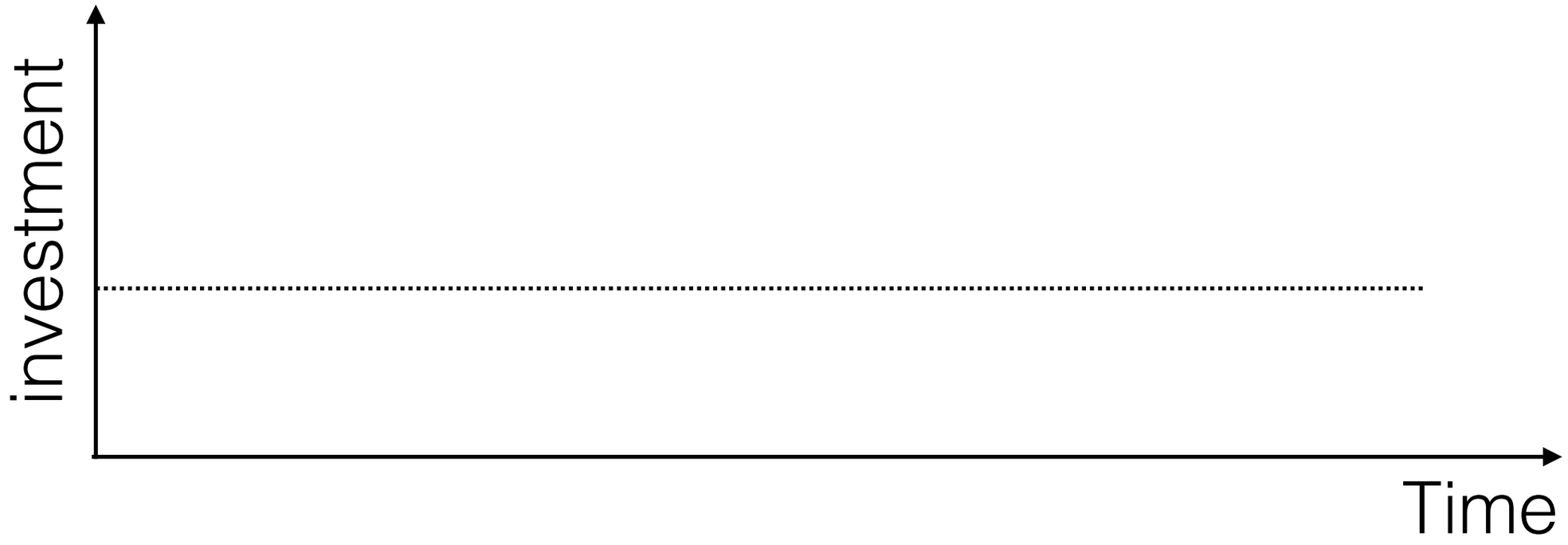
7. Work Hard



7. Work Hard

Most Valuable Time Frame

- Before a meeting with your supervisor
- Before a paper Workshop
- Before the visit of a guest researcher
- Before you forget something
- etc.



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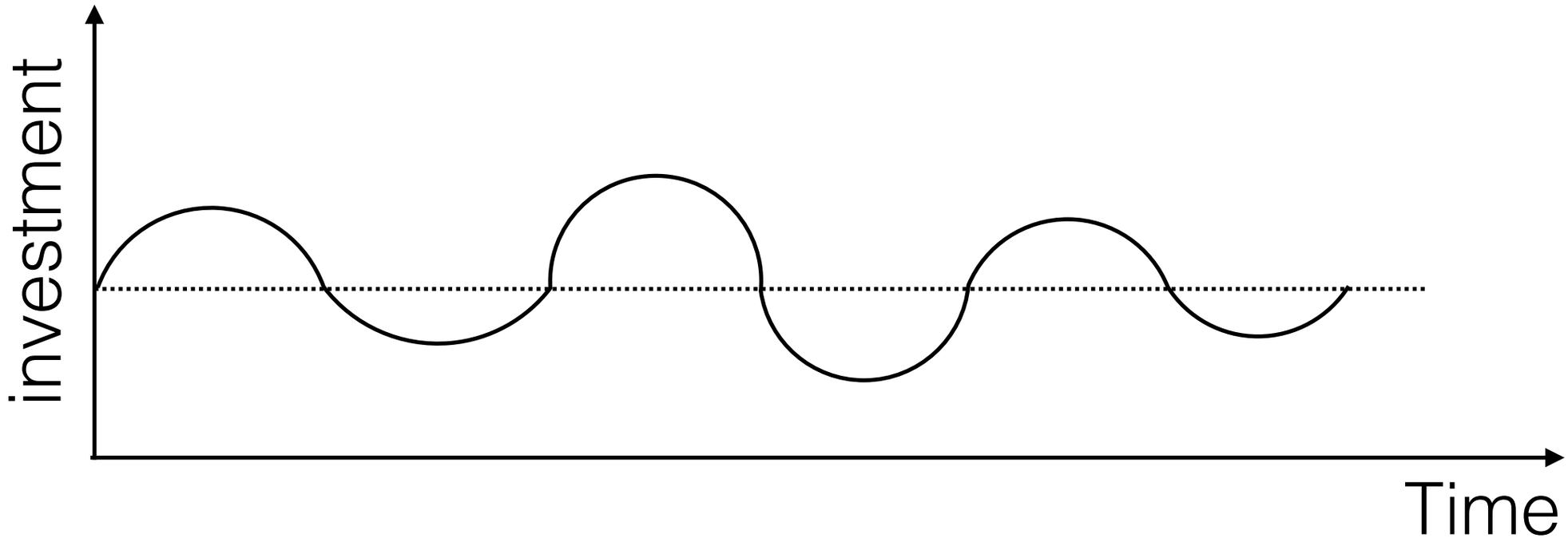

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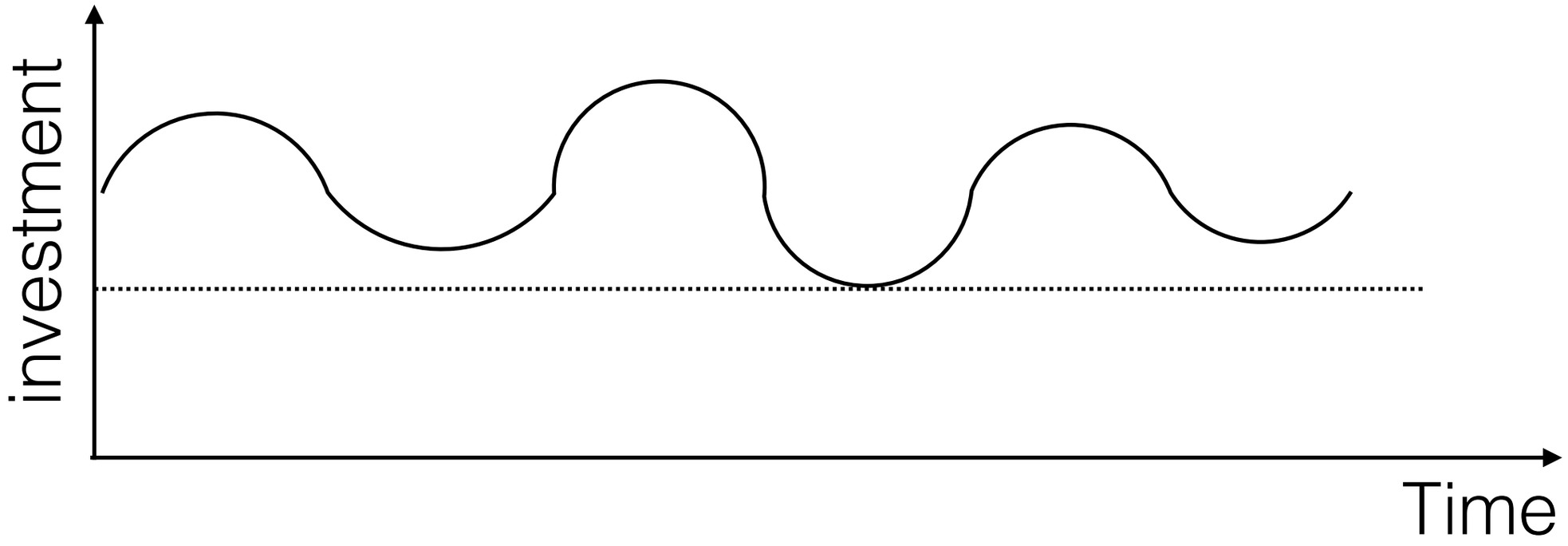

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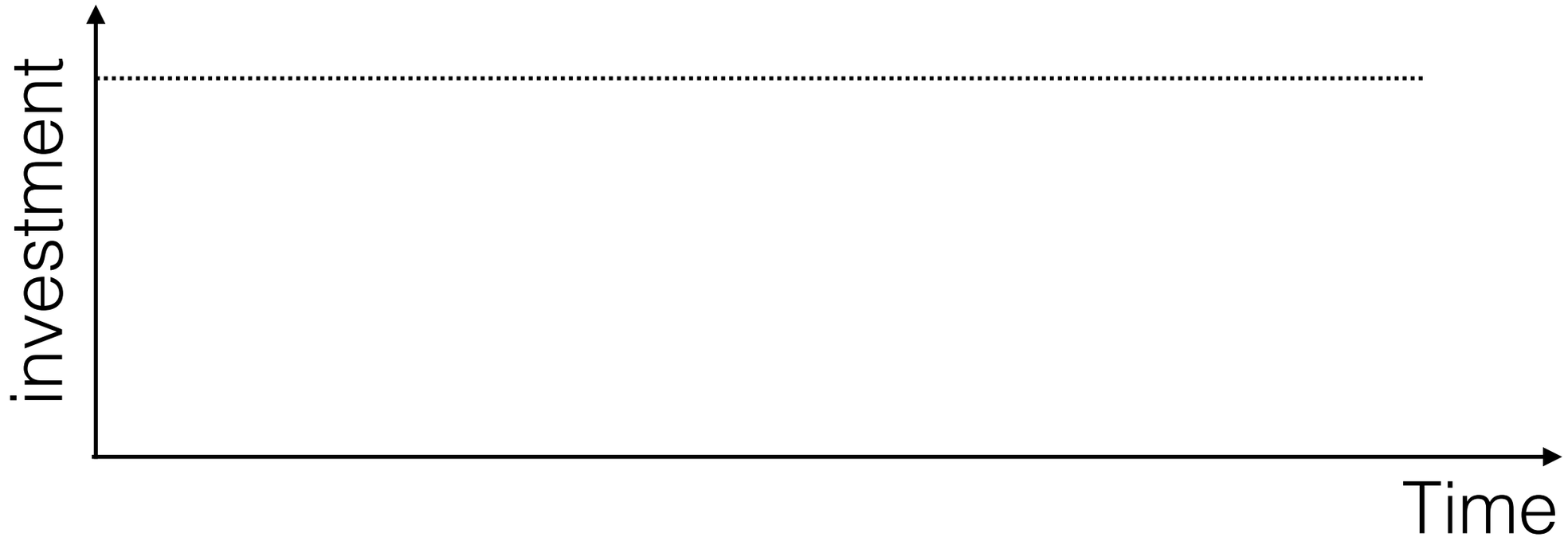

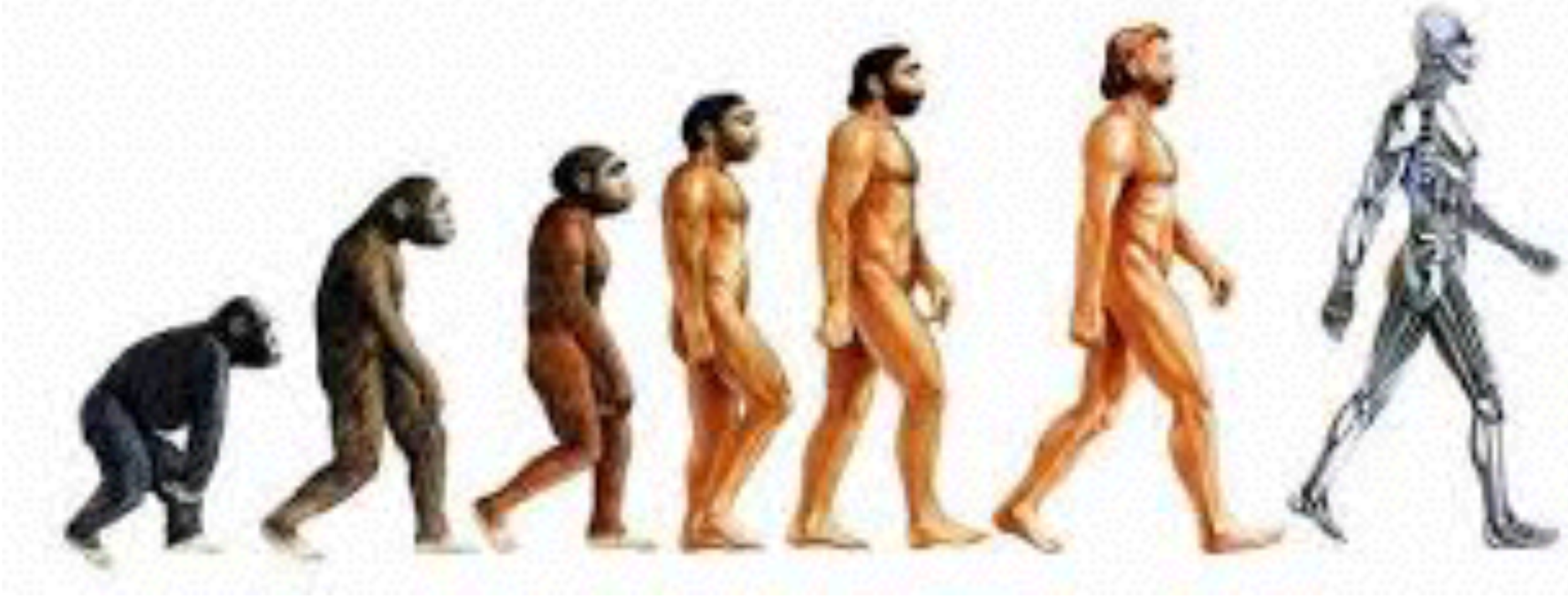

YOU

Productivity tips for Quick & Good Research

Gilles Bailly

RJC 2015