Updates

Changed the setups for all quizzes

You should be able to see your responses and my comments

e.g., for all reading questions and midterms

Updates

Next assignment: Abstract (group)

Due Wed Nov 13, 11:59 pm AoE

I've assigned groups on Canvas.

You fill in a Google form and submit a word to Canvas as a placeholder.

Updates

Next week

Mon: LLM uncertainty II - Quantification

Xinchen Yang, Yongyuan Liang, Yuran Ding

Wed: LLM uncertainty III - User perspective

Yu (Hope) Hou, Xiyao Wang

Make the peer review process **better**

CMSC839E: Uncertainty Communication for Decision-making

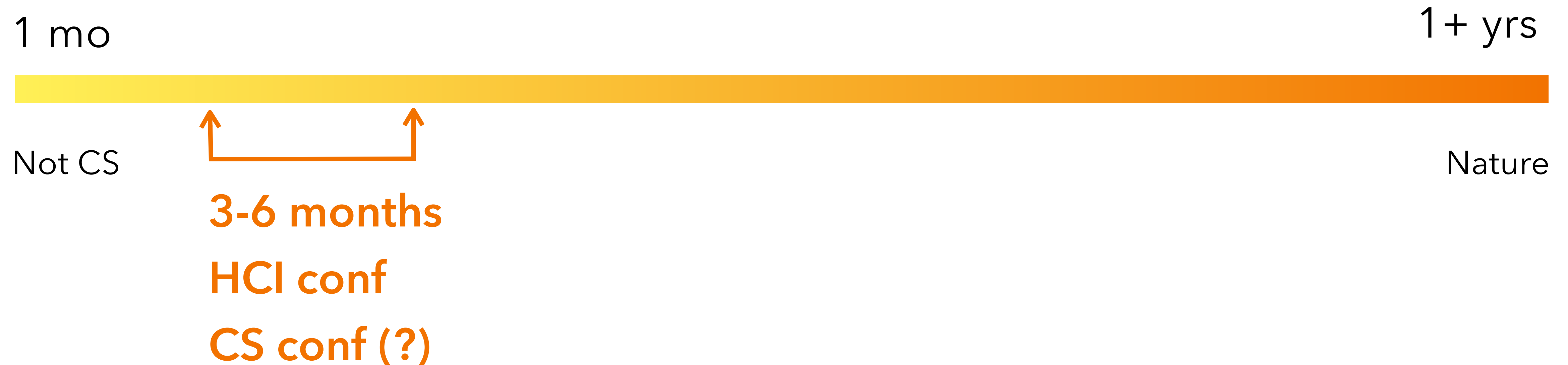https://fumeng-yang.github.io/CMSC839E

October 27, 2024 @ UMD by Fumeng Yang

Peer review

the system used to assess the quality of a manuscript before it is published

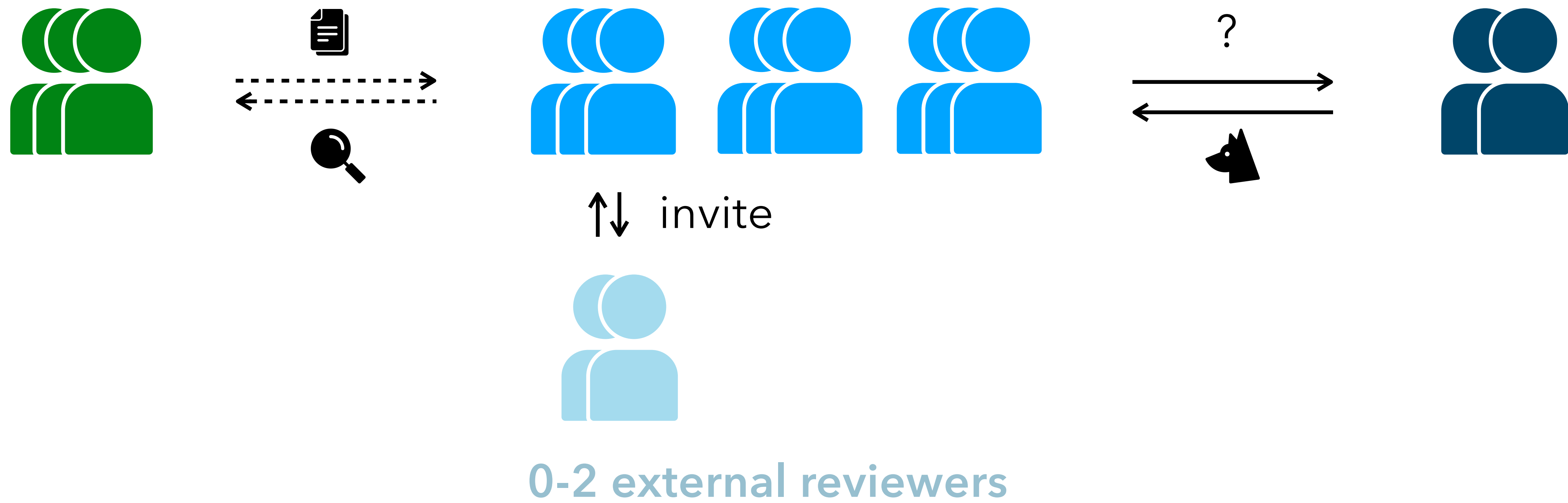… also for authors to get feedback and improve their work

1 mo   1+ yrs
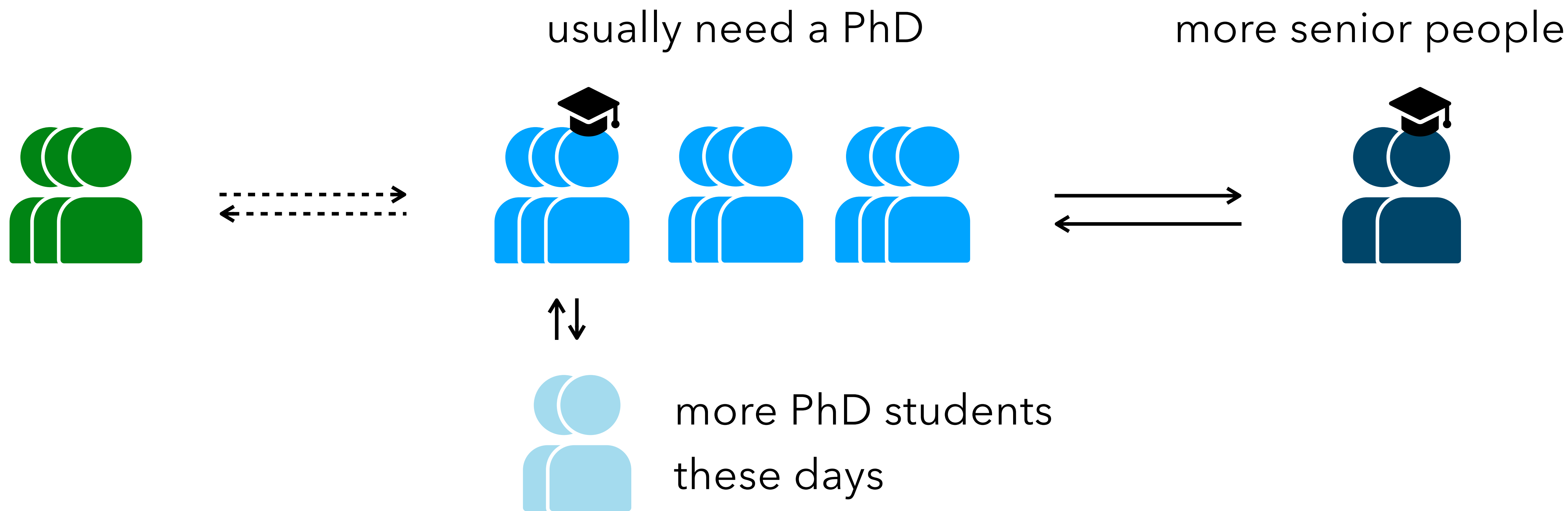
Not CS   Nature

3-6 months

HCI conf

CS conf (?)

HCI conference review

varies from conference to conference

HCI conference review

usually need a PhD

more senior people

more PhD students
these days

HCI conference review

Authors often don't know
reviewers (single blind)
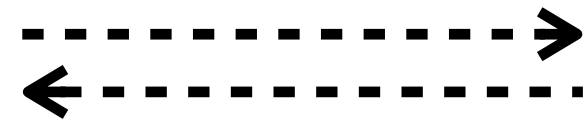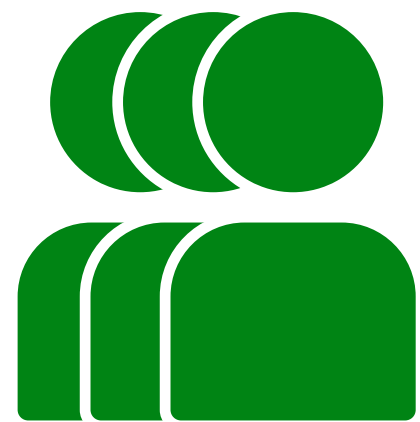
PCs/ACs *often* know authors
and externals
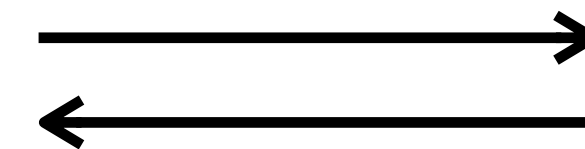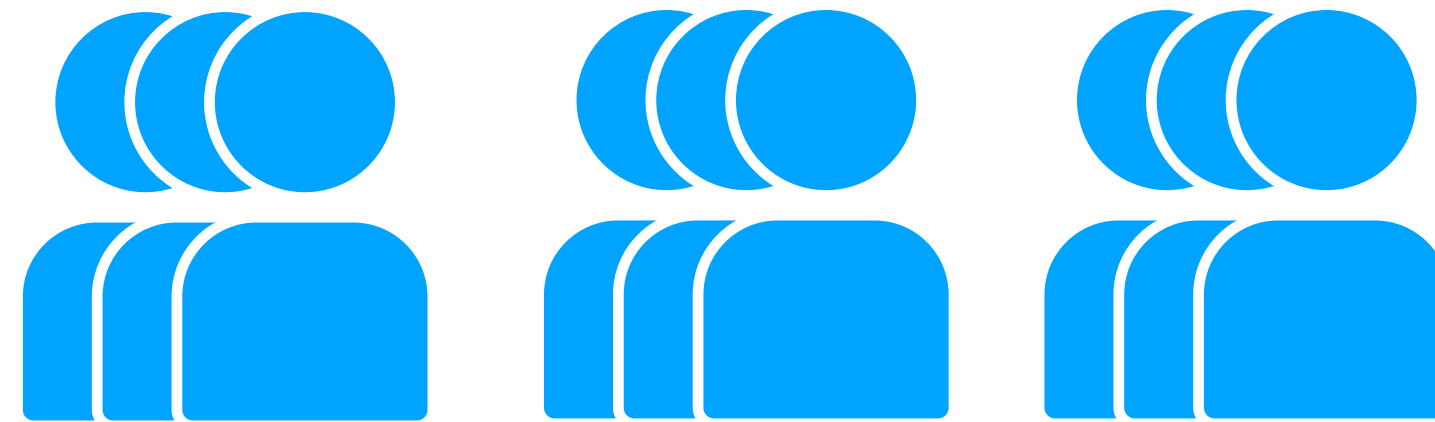
If authors disclose their names
If authors choose not to do so
or rules (double blind)

Peer Review: A Flawed Process...?
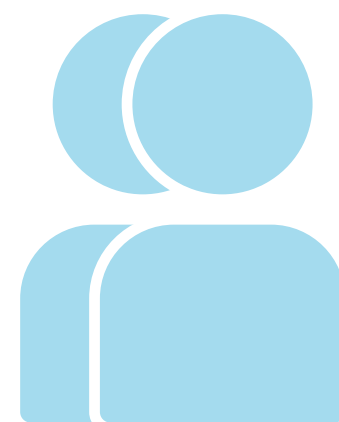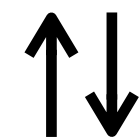
3 hrs   4 days

short papers

4-6 hours

Once I spent 4 days on
reviewing one paper
when I was a phd student

6 / year   80+ / year

my first year   Senior people

30-40 / year
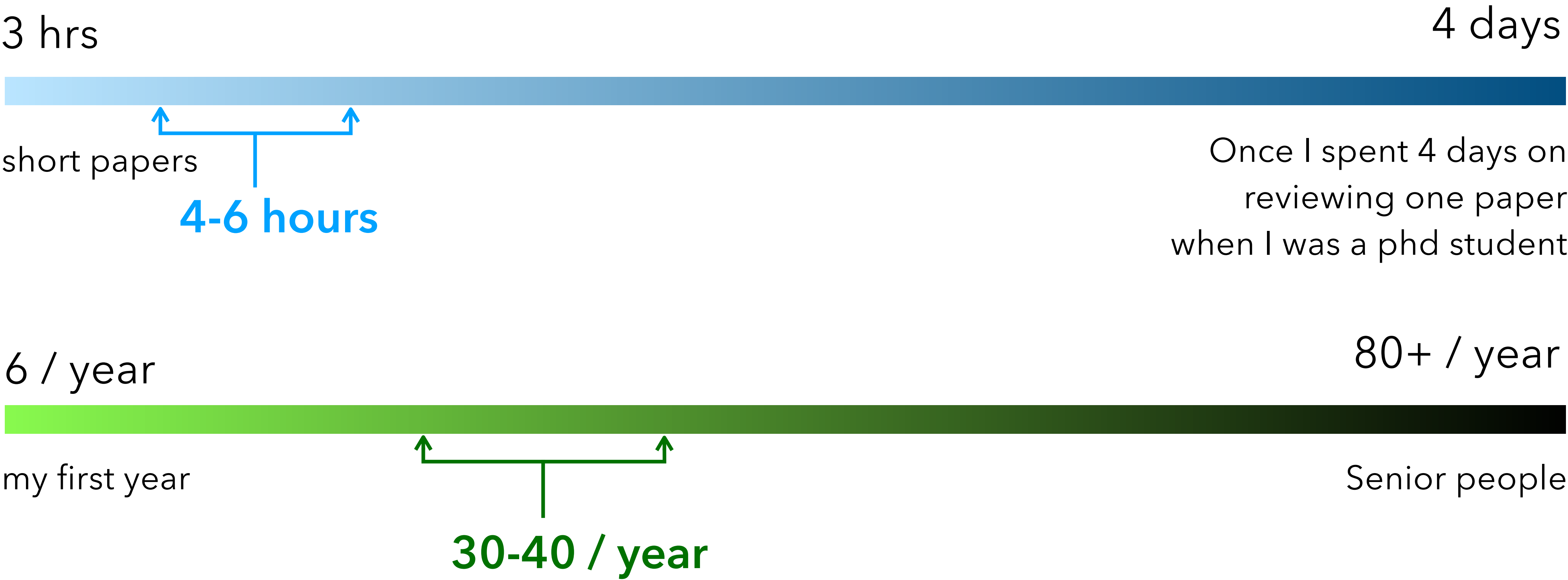
The numbers are different if you are in a different field.

Peer Review: A Flawed Process...?

Non-paid work

No review of review - so quality?

The small sample size / p dance - randomness

Miss critical information or have personal biases

Misconduct: reviewers steal authors' ideas, steal identities

Solution: Change the reviewing process?

Peer Review: A Flawed Process...?

Non-paid work ⟵

Non-paid work ⟵ As authors: Volunteer to review. e.g., each paper needs 3 reviews. Then the authors on this paper should review 3 others papers

No review of review - so quality?

The small sample size / p dance - randomness

Miss critical information or have personal biases

Misconduct: reviewers steal authors' ideas, steal identities

Peer Review: A Flawed Process...?

Non-paid work ⟵————————— Incentives, e.g., "Special Recognitions for Outstanding Reviews", journal editors might be nicer to your submissions

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As authors:
Improve your mean
Reduce your SD

Peer Review: A Flawed
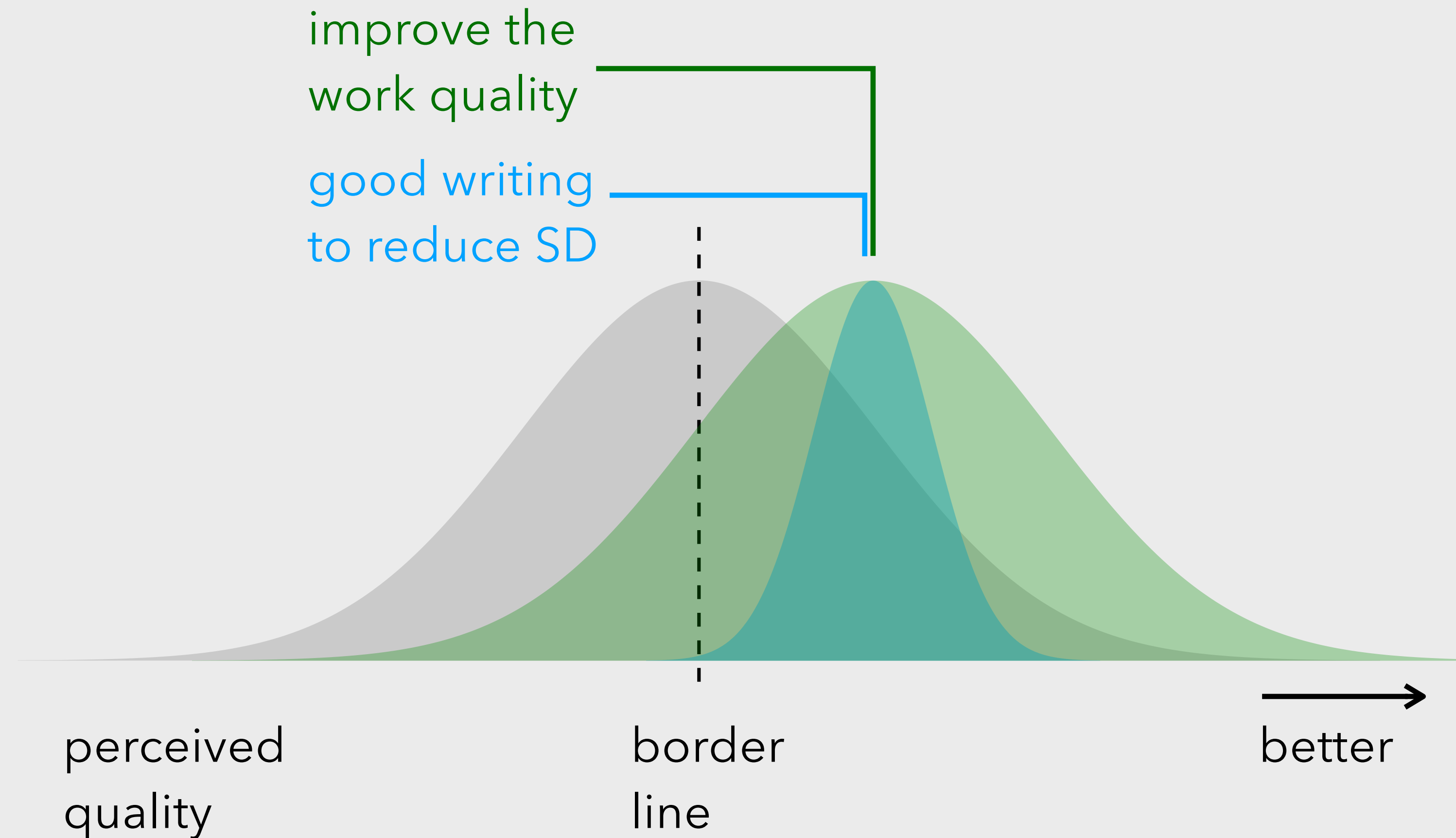
Non-paid work

No review of review - so quality

The small sample size / p danc

Miss critical information or hav

Misconduct: reviewers steal au

improve the
work quality

good writing
to reduce SD

perceived
quality

border
line

better

Peer Review: A Flawed Process...?

Non-paid work

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Miss critical information or have personal biases

Misconduct: reviewers steal authors' ideas, steal identities

As reviewers I try to tell you to avoid doing these…

To be a good (enough) reviewer

ggdist, backstory

Reviewer 2

Overly critical, expect perfection

Not constructive (so authors don't know what to do)

… Read the paper in a very different way than others do

Reviewer 2

Someone gives you a hard time, could be R1, R3

The numbering is based on when they submit their reviews

R1 - interested & managed

R3 - no time

R2 - between them

Reviewer 2

Personalities, randomness, …

You can be a R2 sometimes, but you shouldn't
be overly critical all the times

Sometimes, a short positive review isn't as useful
as a long, constructive neutral review

Review template

Some journals/conferences give you a template, but most of the time, there is a field called "The review"

Summary
A short description (1 sentence to 1 paragraph) of the work, Identify the contributions

Strengths
Identify good things about the paper

Weaknesses
… where you can be an R2

Review template

Summary

Strengths Often it's hard to write positive points.

Sometimes it's hard to write positive points.

E.g., topic, impact, novel, approach, rigor, writing, figure

Weaknesses Don't expect perfection. Ask, is this issue critical?

Is this fixable? – writing, or do a bit more work?

Contribution – sometimes, it is just reframing

Be constructive. Give authors a clue about how to fix it.

… also give authors some freedom

Review template

Summary

Strengths

Weaknesses

Organize your review

Avoid being "stream-of-consciousness"

Hard for PC/AC to distill/summarize your points

Hard for them to understand your attitude

Hard for authors, too

…although many reviews are alike that

Review scale: example

Originality addresses the presence of new ideas or approaches in the context of prior human-computer interaction literature. How would you rate the originality of this paper?

- Very high originality

- High originality

- Medium originality

- Low originality

- Very low originality

Review scale: example

Please mark your recommendation for this submission…

- I recommend Accept with Minor Revisions

- I can go with either Accept with Minor Revisions or Revise and Resubmit

- I recommend Revise and Resubmit

- I can go with either Reject or Revise and Resubmit

- I recommend Reject

Review scale

Varies from conference to conference, reviewer to reviewer

This is a testimony to that Likert scale shouldn't be a numeric scale

I often interpret the middle point as 'borderline', regardless of labels

Try to avoid a borderline recommendation, not helpful for PCs/ACs

PhD students often give lower scores…

How to review a paper

When I was a PhD student, I read the manuscript twice, and think it overnight. On the second day, I write the review, wait for another day to come back and edit it

Now, read it on the first day, write and edit on the same day or next

I write down **bullet points first**, then shuffle around and **organize** them, and **order** by severity: major issues, lesser issues, typos, etc. Sometimes you should give a "required revisions" section

Assignment R

I don't expect a review with1,500 words from you

Each paper have 1-2 reviewers, each paper contributes 1-2 reviews

Help you get a bite of this process

Questions?