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End of the week

Productivity tips for Quick & Good Research

Gilles Bailly









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



deadime



Time line





deadime



Time line













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



Time line

Time line

deadime **30s Brainstorming**













Condition 2





















Implementation



Implementation



Conference Talk

Leadime



Time line



Conference Talk





Timeline (holidays)



Timeline (holidays)



readime

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



Time line
Outline

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- 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

Pour critiquer les gens il faut les connaître, et pour les connaître, il faut les aimer.



Coluche

www.citation-celebre.com

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%)



Jsability problems discovered

Number of test users

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 ⁽ⁱ⁾
- Analyze: 10-15 min per paper.

Example: 6 participants (6 papers) $6 \times 10 + 6 \times 10 = 2$ 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?

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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



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Secondary Tasks

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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.

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Did I say that already?

Timeline (conclusion)



readime

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



Time line

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4. Give everything a home

Declutter regularly

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- Computer
- Code,
- etc.



5. Do not waste your time





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



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Implicit



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Implicit



Explicit

Did I say that already?

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



Implicit



Explicit

Did I say that already?

Paper workshop



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



- Before a meeting with your supervisor
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YOU





Productivity tips for Quick & Good Research

Gilles Bailly



RJC 2015