# Git & GitHub

Including project management

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#### "FINAL".doc







FINAL.doc!

FINAL\_rev.2.doc







FINAL\_rev.6.COMMENTS.doc

FINAL\_rev.8.comments5.



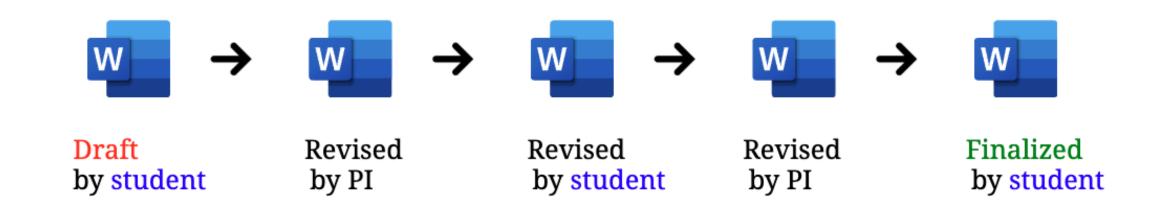




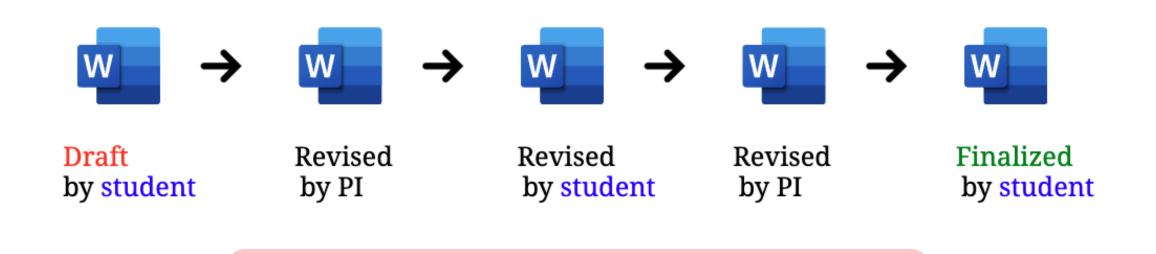
FINAL\_rev.18.comments7. corrections9.MORE.30.doc

FINAL\_rev.22.comments49. corrections.10.#@\$%WHYDID ICOMETOGRADSCHOOL????.doc

## A general example of manuscript revision

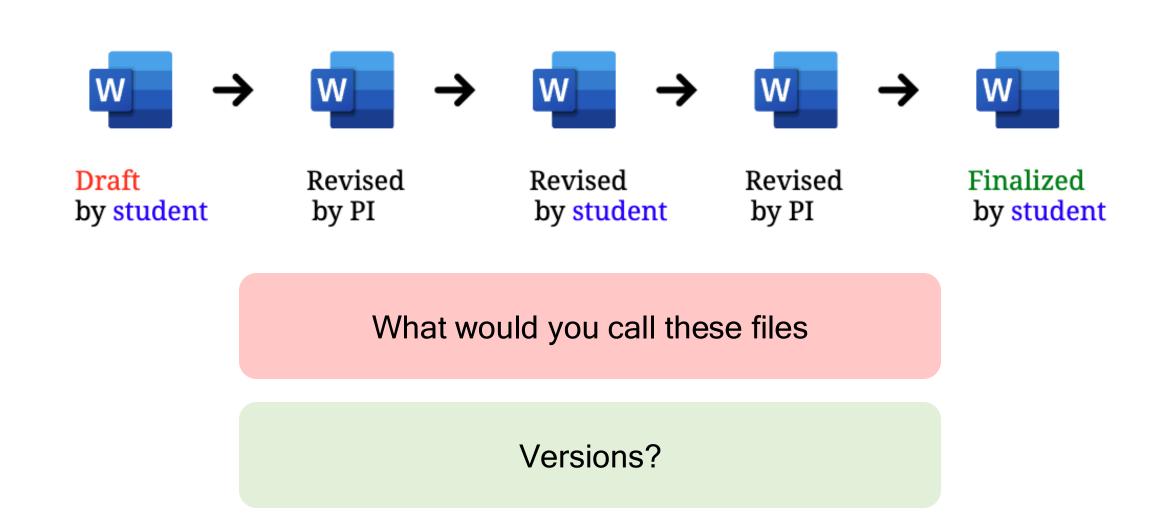


# A general example of manuscript revision



What would you call these files

# A general example of manuscript revision



# How would you store different versions?

- manuscript\_FA.docx
- manuscript\_FA\_LA.docx
- manuscript\_FA\_LA\_FA.docx
- manuscript\_FA\_LA\_FA\_LA.docx
- manuscript\_final.docx

- manuscript\_20221001.docx
- manuscript\_20221224.docx
- manuscript\_20230107.docx
- manuscript\_20230201.docx
- manuscript\_final.docx

# How would you store different versions?

- manuscript\_FA.docx
- manuscript\_FA\_LA.docx
- manuscript\_FA\_LA\_FA.docx
- manuscript\_FA\_LA\_FA\_LA.docx
- manuscript\_final.docx

- manuscript\_20221001.docx
- manuscript\_20221224.docx
- manuscript\_20230107.docx
- manuscript\_20230201.docx
- manuscript\_final.docx

Does anyone store files differently?

#### Version control

•	manu	ıscrii	pt.d	OCX
		<b>400:</b> 1	<b>7</b> 4	<b>O O / \</b>

manuscript.docx

manuscript.docx

manuscript.docx

manuscript.docx

manuscript.docx

manuscript.docx

manuscript.docx

"first draft"

"revision 1"

"revision 2"

"updated figures"

"removed table"

"line numbering"

"bioRxiv submission"

"published"

ac3eveta

a23eveta

cc3eveta

dc3edeta

zc9aveta

tc5eveta

yc8evata

zz33eeta

#### Version control

•	HI	le

- manuscript.docx

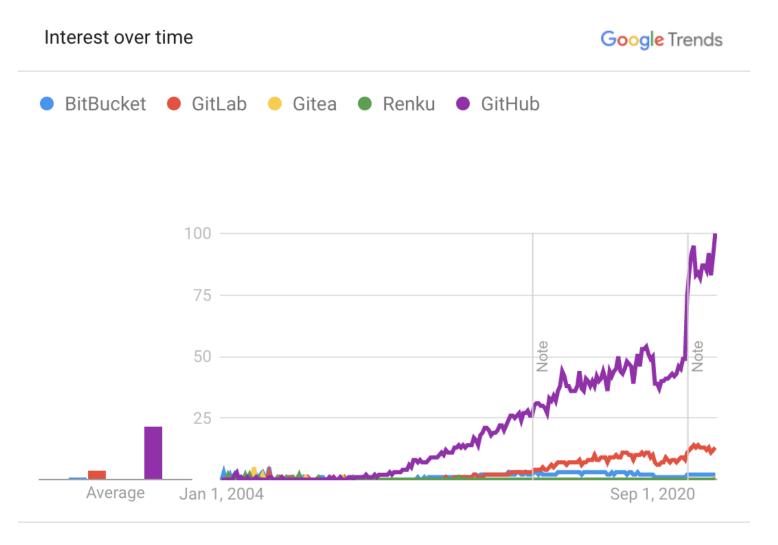
#### "commit message"

- "first draft"
- "revision 1"
- "revision 2"
- "updated figures"
- "removed table"
- "line numbering"
- "bioRxiv submission"
- "published"

#### version ID

- ac3eveta
- a23eveta
- cc3eveta
- dc3edeta
- zc9aveta
- tc5eveta
- yc8evata
- zz33eeta

## How to host these versions?



Worldwide. 1/1/04 - 2/9/23. Web Search.

## **Terminologies**

Organization shared account

Username your identity

Repository folder

Issues track bugs, request features, discuss

Branch separate line of development

Fork server-side copy of Repository

Pull request proposal to merge changes

- 1. Create a username on <a href="https://github.com">https://github.com</a>
- 2. Check if you belong to any organization
- 3. Create a new public Repository with your username
- 4. Go to your home page: <a href="https://github.com/username">https://github.com/username</a>
- 5. Take a screenshot

```
# This is heading 1
## This is heading 2
`code`
R code
```

. . .

```
**Bold** ___Bold___
```

```
**Italics** ___Italics___
```

```
~Strikeout~
```

> quote

#### This is a list

- Item 1
- Item 2
- Item 3

#### This is a numbered list

- 1. Item 1
- 2. Item 2
- 3. Item 3

```
This is a task list
```

- [] Item 1
- [] Item 2
- -[] Item 3

[this is a link](<a href="https://github.com">https://github.com</a>)

Making a table

- 1. Create a file: README.md in your username Repository
- 2. Write your introduction into sections: Background, Research project, Affiliation, Education
- 3. In the Education section, make a table of your studies with university and year
- 4. Save your README.md file with a proper commit message
- 5. Go to your home page: <a href="https://github.com/username">https://github.com/username</a>
- 6. Compare it with previously taken screenshot

- Create an issue in your repository: <a href="https://github.com/username/repository/issues/new">https://github.com/username/repository/issues/new</a>
- 2. Give it a title: updating README file
- 3. Write a description: what else you would like to update in the README file
- 4. Assign it to yourself, add relevant labels and type

- 1. Got to <a href="https://github.com/DQBM-SIB/intro">https://github.com/DQBM-SIB/intro</a> git github
- 2. Fork this repository under your username
- 3. Create a branch with your first name
- 4. In your named branch, edit README file of this repo and add your GitHub username
- 5. Create a pull request for original repository DQBM-SIB/intro\_git\_github in main branch with appropriate message
- 6. After pull requests are merged, check different commit messages

# Thank you!