

# Data Bites

## Version control with git

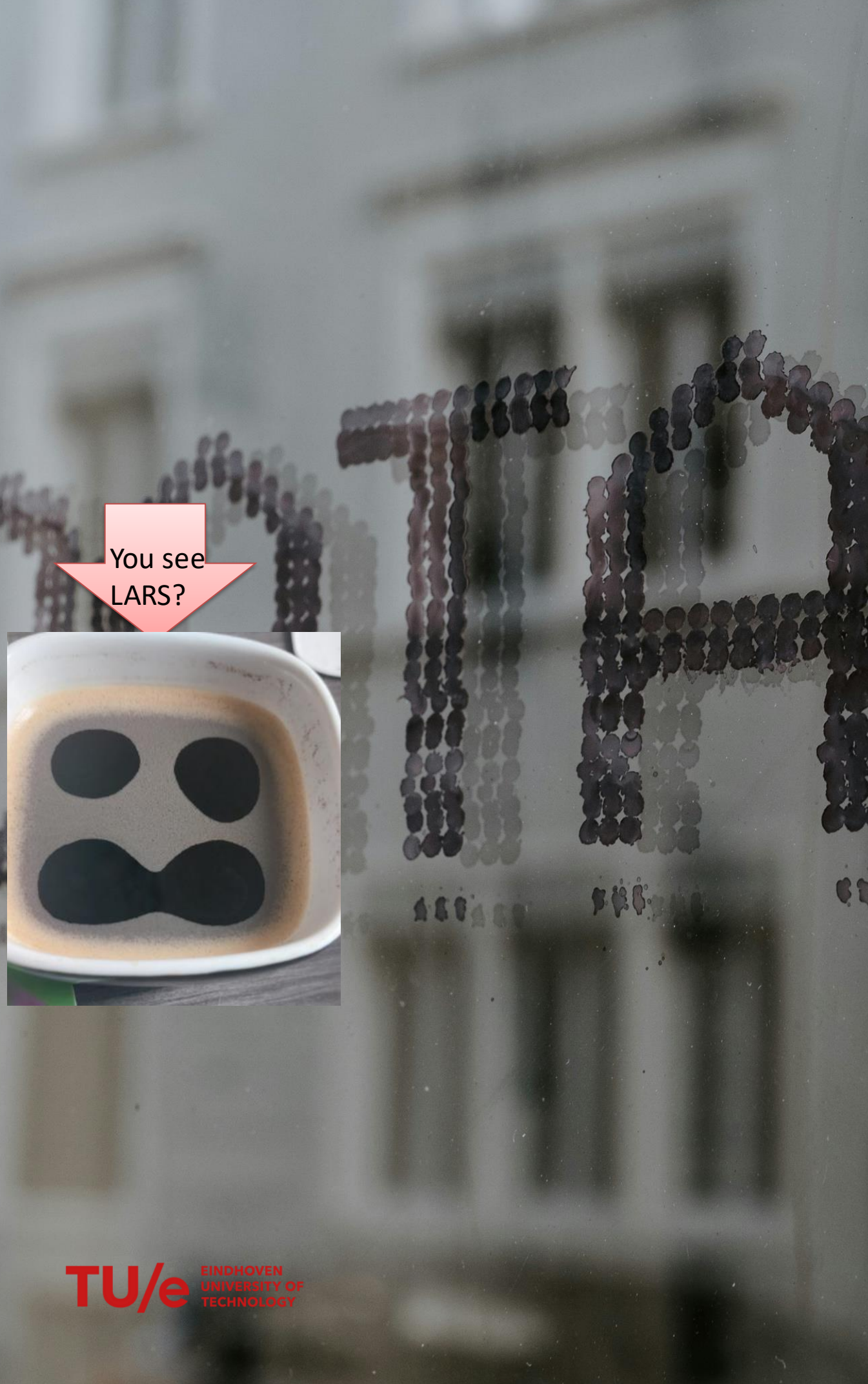
John Bons, Research IT  
24/06/2026

Please note that this webinar will be recorded. The presentation part of the webinar (excluding the Q&A and open discussion parts) will be made available on Zenodo. In case you would like to ask a question during the presentation without having your voice recorded, please use the chat to type your question. Thank you!



# The problem

- ▶ `analysis_script_final_v2_REAL_final_USE_THIS.py`
  - ▶ What did I even change?
  - ▶ It worked yesterday
  - ▶ How do I collaborate without chaos?



# Lars

► Our main character for today

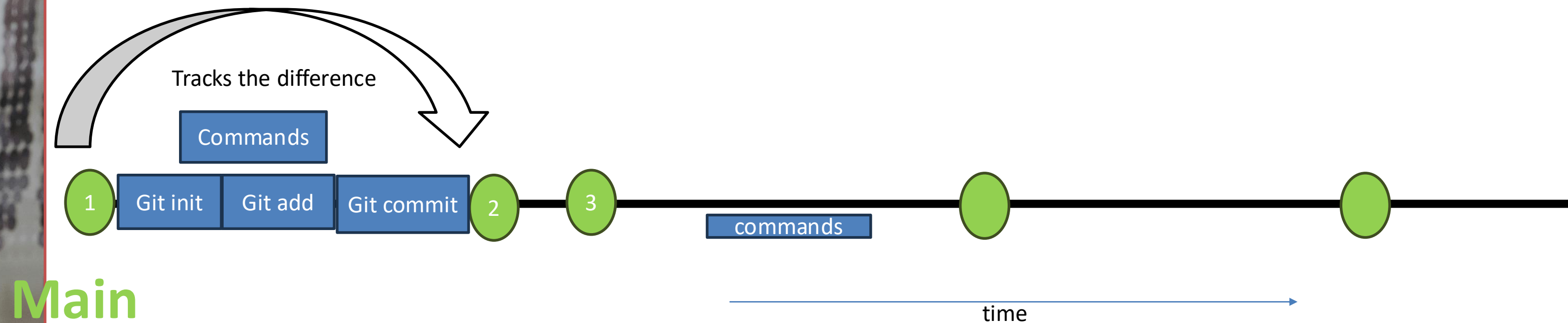
“Git would  
have  
prevented this”

- Researcher, writes Python scripts
- Has a working data analysis
- Wants to quickly add a new chart
- Break everything – and has no idea what he changed

# Whats git

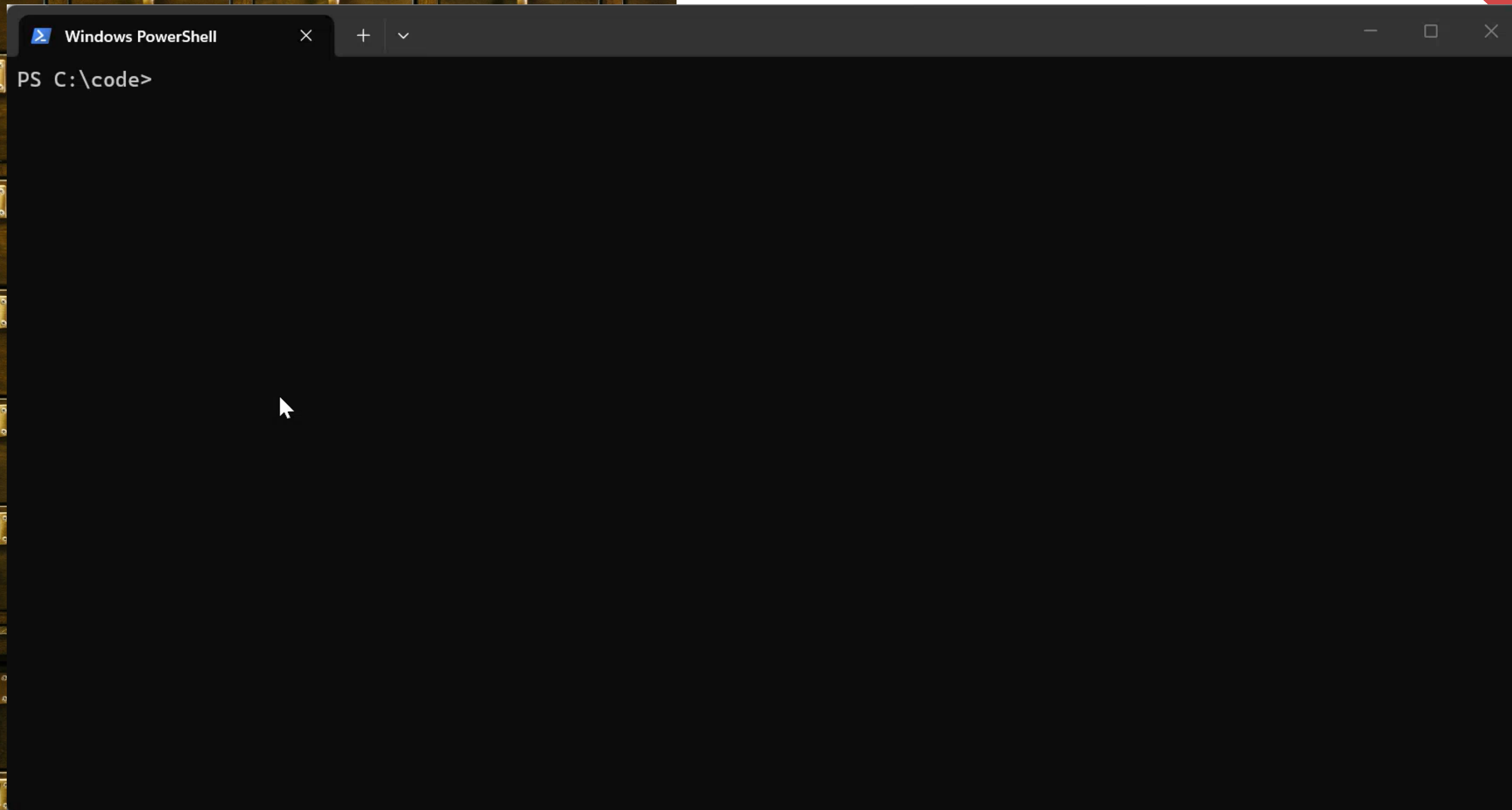
(Just a tool)

“Git would  
have  
prevented this”



# Visualize how git works for Lars





**You  
can  
do it**

# You can do it For real

Install git

```
$ git init
```

```
$ echo 'data analysis' > script.py
```

```
$ git add .
```

```
$ git commit -m 'working version analysis'
```

```
$ git checkout -b feature-graph  
$ echo 'extra code' >> script.py
```

```
$ git add .
```

```
$ git commit -m 'experiment with new chart'
```

```
$ git checkout main
```

```
$ git merge feature-graph
```

```
$ git log --oneline
```

→ first snapshot

→ new branch

→ adding code

→ safe to try

→ Changing back to the original and merge the new feature

→ merge

→ view history

# Lars now has a safe point to fall back on.

- ▶ Whatever he changes main is still there



Git add

Git commit

Git merge

Git log

Git branch

# **Any questions / thoughts?**

**\* Question to the  
audience? \***

# Before we go

# Evaluate this session.



**Access via the QR code or  
the link in the chat**

<https://forms.office.com/e/19e6pgWFQ4>

Upcoming



**DATE**  
28/05

## How to create a data package



**TIME**  
13:00 – 13:30



**LOCATION**  
ONLINE – TEAMS



RDMSUPPORT@TUE.NL

# Connect with us.

Email

**j.j.h.bons@tue.nl**

RDM support

**rdmsupport@tue.nl**

**Thank you for joining this  
session!**

# Links

| Git cheat sheet                                                                | <a href="https://education.github.com/git-cheat-sheet-education.pdf">https://education.github.com/git-cheat-sheet-education.pdf</a>                                           |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Git for matlab                                                                 | <a href="https://nl.mathworks.com/help/matlab/matlab_prog/use-git-in-matlab.html">https://nl.mathworks.com/help/matlab/matlab_prog/use-git-in-matlab.html</a>                 |
| Git visualization tool<br>Usefull to<br>doublecheck how git flow<br>is working | <a href="https://git-school.github.io/visualizing-git/">https://git-school.github.io/visualizing-git/</a>                                                                     |
| Best practises                                                                 | <a href="https://about.gitlab.com/topics/version-control/version-control-best-practices/">https://about.gitlab.com/topics/version-control/version-control-best-practices/</a> |

**Thank you for joining this  
session!**