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Enhancing Employability and Digital Competencies: Developing E-Portfolios in Social Sciences

Tatjana Kecojevic

Department of Social Statistics
tatjana.kecojevic@manchester.ac.uk

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SisterAnalyst

Sister Analyst is a not for profit social enterprise focussing on the objective of increasing the number of women involved in the field of DS a...

SisterAnalyst / Jun 1, 2030



Regional WB Network Women in STEM



undp_serbia



unicef 
for every child

Why Reproducibility and E-Portfolios Matter



01. **We live in a data-driven world:** our teaching must reflect how data is used in real-life decision-making.
02. **Reproducibility fosters transparency, inclusion, and confidence:** not just in research, but in everyday learning.
03. **Data e-portfolios empower students** to communicate their skills, reflect on their process, and prepare for the future.

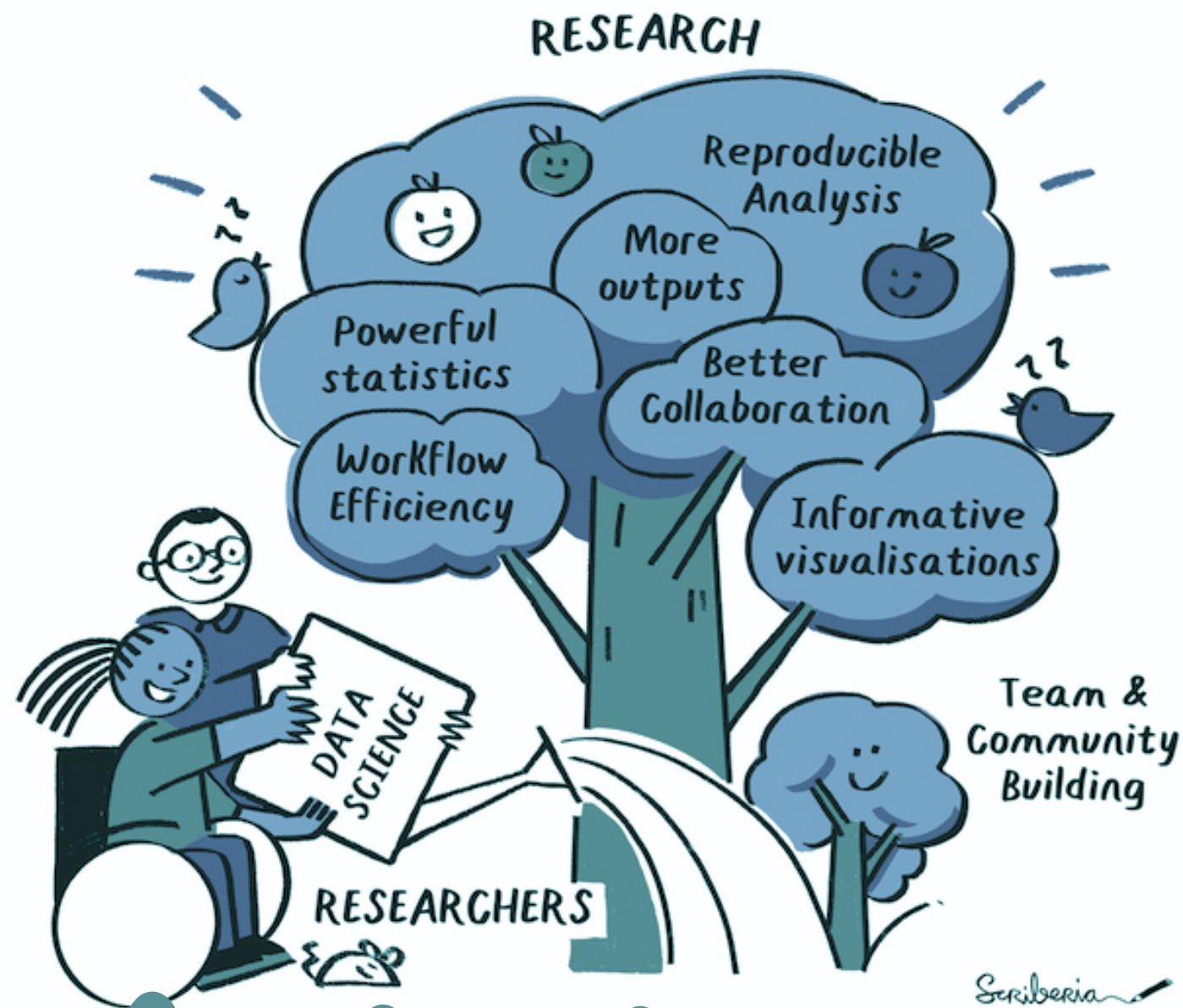
Students who can evidence their analytical skills and project contributions stand out in a competitive job market.



01. E-portfolios help social science students present their work to potential employers.
02. A GitHub portfolio can showcase coursework, projects, data analysis, policy briefs, and more.
03. Digital literacy is increasingly expected, even outside tech roles.

What Are Data E-Portfolios?

Data e-portfolios are structured collections showcasing students' projects, tools, and reflections.



They support critical thinking and reflective learning, focusing on both process and outcome.

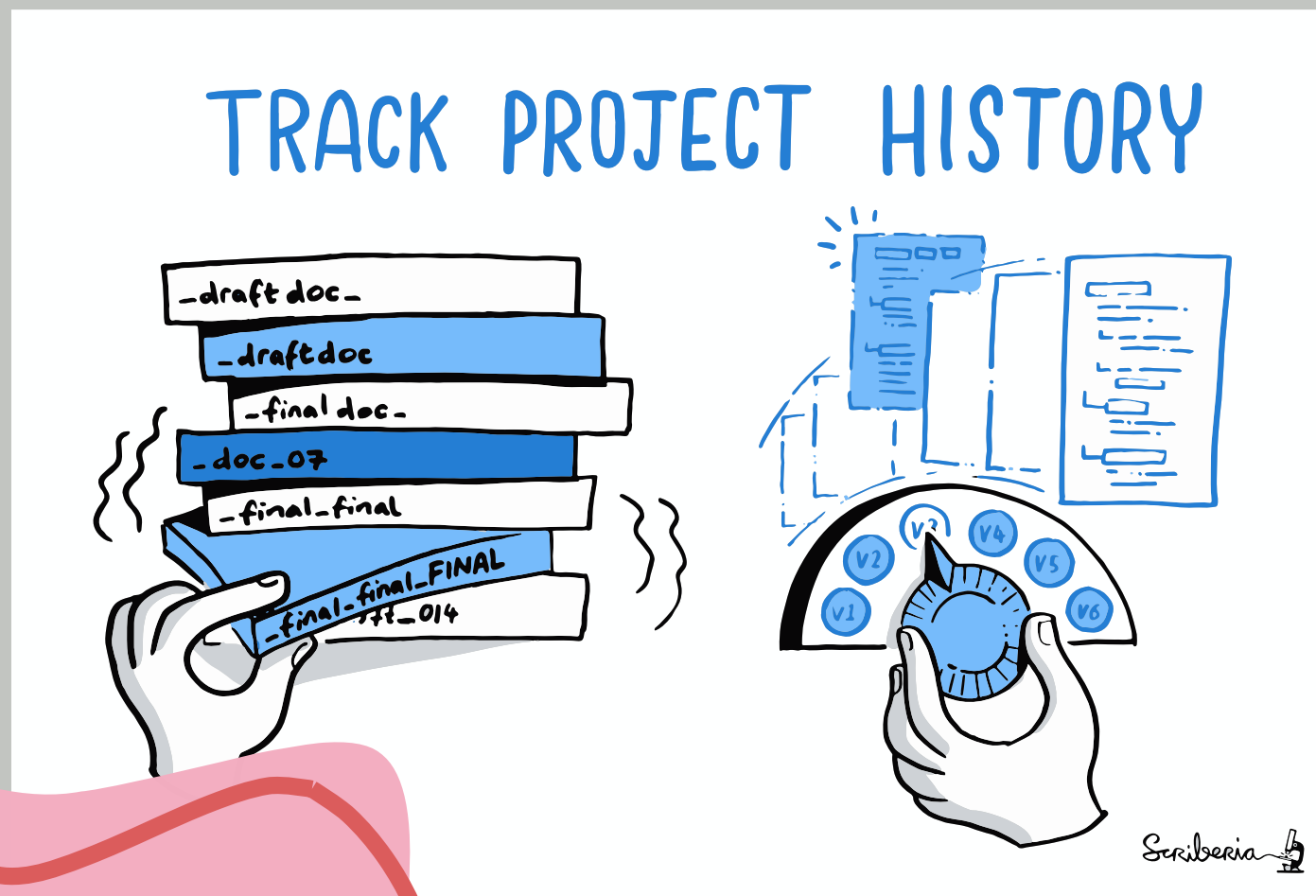
Students create tangible, shareable assets (e.g. GitHub pages, Shiny apps) to use in careers or further study.



git

What is Git?

- A version control system
- Tracks changes to files
- Allows you to go back in time
- Essential for teamwork and project history



[Learn more: What is Git? \(Git SCM\)](#)



Git helps you track your project progress: great for CV evidence.



GitHub

GitHub is like LinkedIn for your projects: employers can see what you've done.

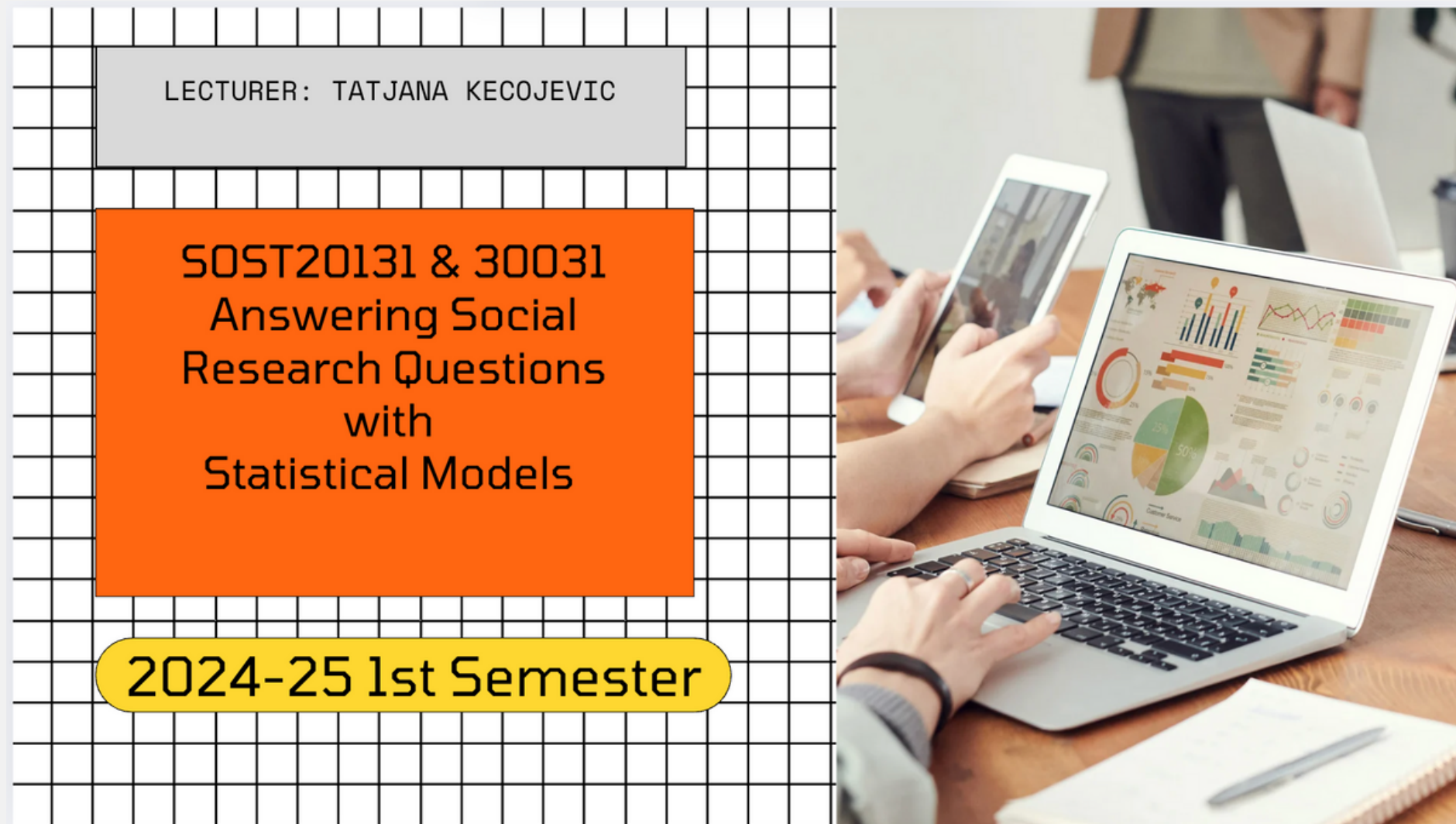
No Code, No Problem



Keep the focus on GitHub Desktop's simplicity for beginners. Emphasise:

- **Point-and-click interface**
- **Ideal for writing reports, uploading visuals, and versioning documents (not just code).**

From Concept to Practice: My Teaching Approach



LECTURER: TATJANA KECOJEVIC

SOST20131 & 30031
Answering Social
Research Questions
with
Statistical Models

2024-25 1st Semester



- Students engage with real-world tools like version control, live publishing, and collaborative workflows.
- This models good practice and builds digital confidence, preparing students for data-driven careers.

- All teaching materials are shared openly via GitHub, Shiny apps, and published resources.





git



GitHub

Tools
We Use
+ Why



Free, widely used
tools

What Can You Add to a Social Science e-Portfolio?

01. Data analysis reports (PDF or Markdown)

02. Policy memos, Essays & Research Papers,

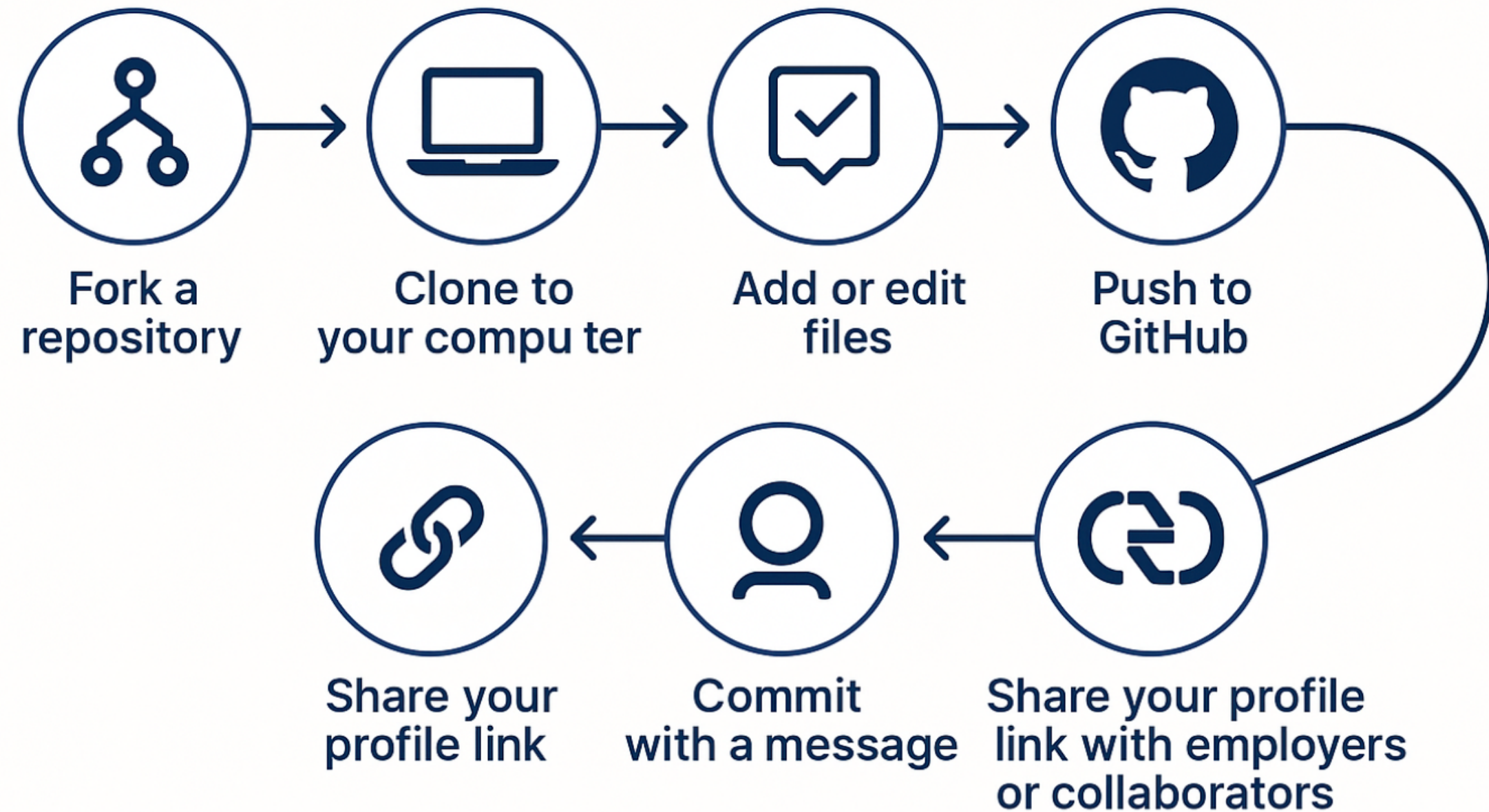
03. DA Projects: Interactive visualisations or maps

04. Group project documentation

05. Research Posters or Presentation Slides



The e-Portfolio Workflow





School of Social Sciences - The University of Manchester

School of Social Sciences - The University of Manchester has 5 repositories available. Follow th...

GitHub

github.com/SoSS-UoM

SoSS-UoM

Type / to search

Overview

Repositories 5

Projects

Packages

Teams

People 3

Insights

Settings

School of Social Sciences - The University of Manchester

2 followers

Manchester, UK

https://www.socialsciences.manch...

Follow

Popular repositories

sooss-portfolio-template

Public template

A basic GitHub template for creating an academic e-portfolio

HTML

sooss-eportfolio-guide

Public

A practical guide for using GitHub to build and share academic e-portfolios in the social sciences and beyond.

HTML

sooss-github-workshop

Public

Workshop materials for teaching GitHub skills through academic e-portfolio projects.

winstem-analysis

Public

Data analysis and reporting on women in STEM in the Western Balkans using R Markdown.

HTML

View as: Public

You are viewing the README and pinned repositories as a public user.

You can [create a README file](#) or [pin repositories](#) visible to anyone.

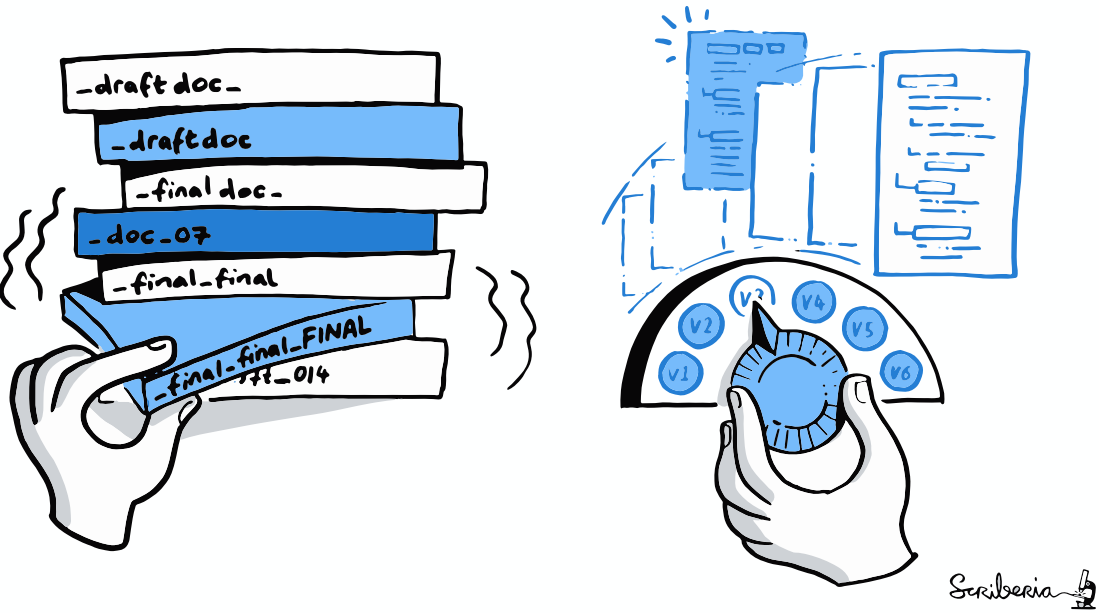
[Get started with tasks](#) that most successful organizations complete.

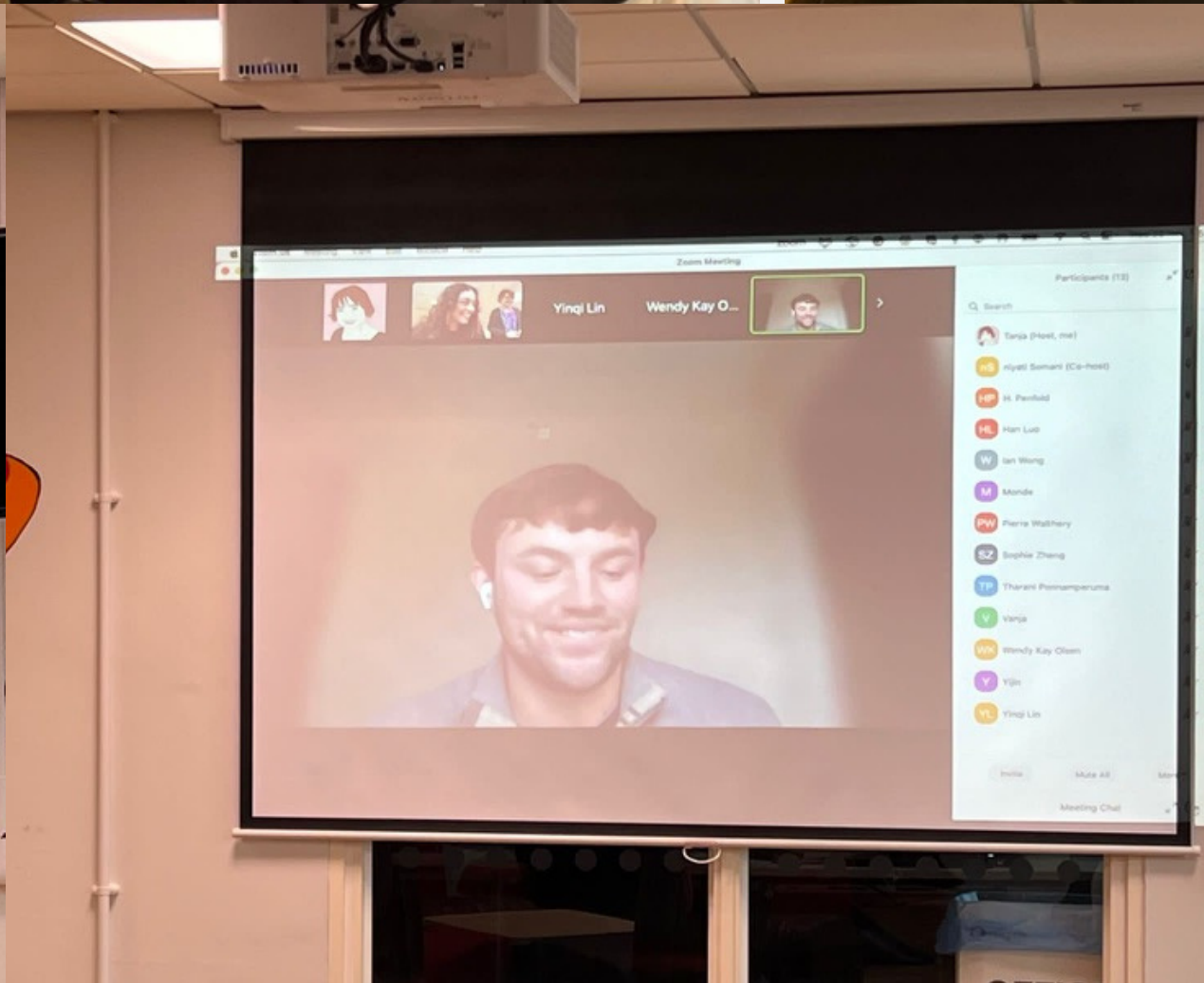
Discussions

Set up discussions to engage with your community!

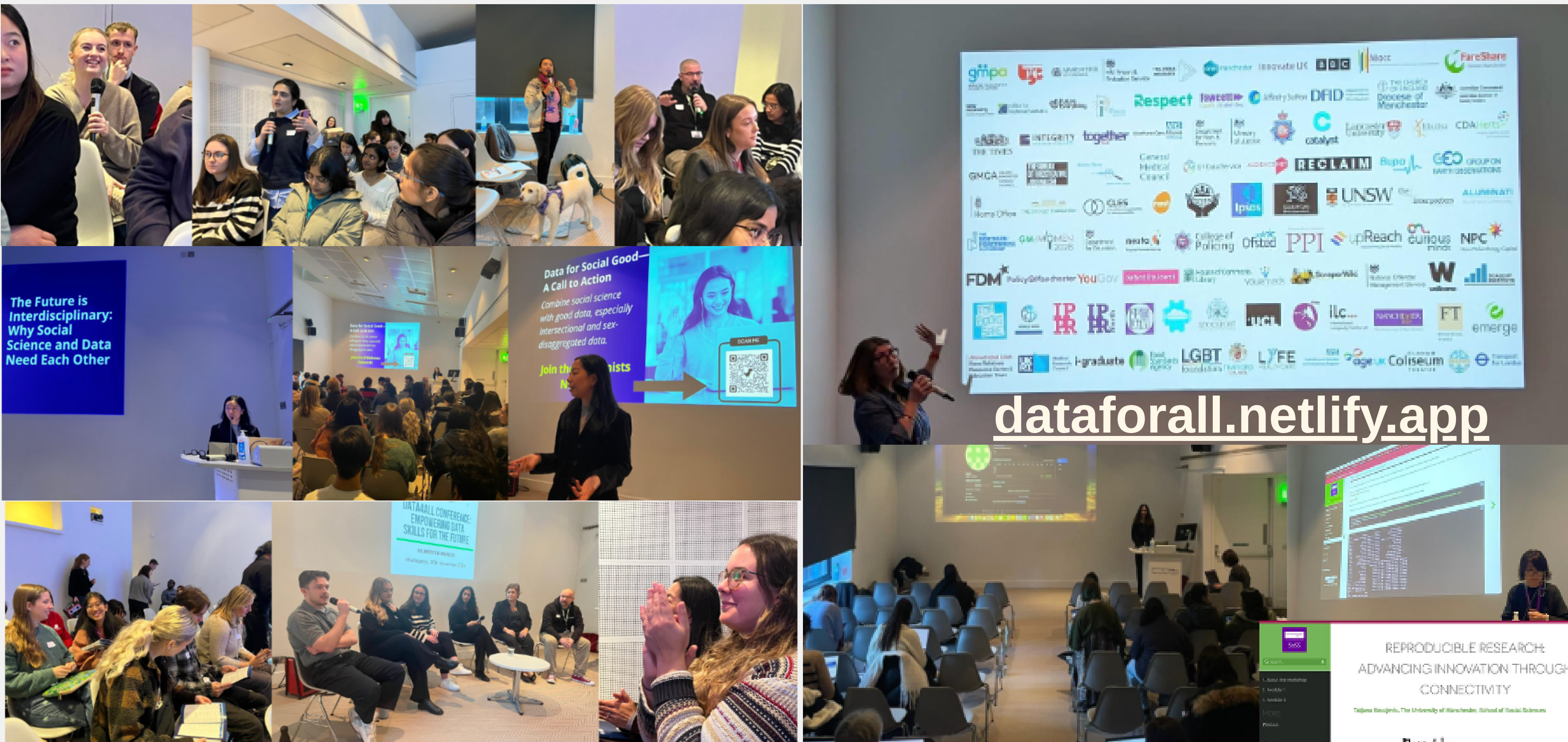
[Turn on discussions](#)

TRACK PROJECT HISTORY





Fostering a Culture of Digital & Data Literacy



Looking Ahead



01. **Students as contributors and mentors**, not just recipients of teaching.

02. **Peer-led workshops and GitHub collaboration** to build shared resources across cohorts.

03. **A sustainable community of practice** rooted in openness, mentorship, and transparency.

These projects are rooted in transparency and reproducibility, not just in what we teach, but in how we teach.



Built with students. Shared for everyone!

Thank you...
Let's connect and
collaborate.

