

Digital Skills for Research

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02 March - 25 March, 2022

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1.1 Week 1. Setup and basics

Session 1. Why $\text{\textcolor{red}{T}}_{\text{\textcolor{red}{E}}}\text{\textcolor{red}{X}}$ and first doc (talk, pdf, task)

- What's $\text{\textcolor{red}{T}}_{\text{\textcolor{red}{E}}}\text{\textcolor{red}{X}}$ (distributions, editors, engines, formats, templates)
- Overleaf account and project
- First document (class, packages, layout, title, sections, margins, columns)

Session 2. Text and math (talk, pdf, task)

- Text formatting
- Special characters
- Math

Week 2. Environments and non-text elements

Session 3. Tables and figures (talk, tex, task)

- Environments
- Tables
- Graphics and drawing

Session 4. Customisation, cross-referencing and templates (talk, tex, task)

- Own commands
- Internal and external links
- Templates and big projects

*thanks to the RGCL for the opportunity to brush up and systematise these

Week 3. Beamer and bibs

Session 5. Presentations and posters (talk, tex, task)

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Session 6. Bibliographies (talk, tex, task)

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2 Week 4. Mendeley and Github

Session 7. Reference management: Mendeley (talk, tex, task)

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Session 8. Version control and collaboration: Github (talk, tex, task)

- .md
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Housekeeping

- Schedule (with rooms): Wed, Fri 10am-11am, live sessions
- Workshop materials, inc. 8 assignments
- achievement levels: confident \LaTeX user, familiar with \LaTeX , basic \LaTeX skills (report completion in a Google-Doc)
- send me a whatsapp message: +44 7926 446507 or →



Recommended resources

- **LaTeX:** \TeX UsersGroup and Overleaf tutorials
- **GitHub:** Pro Git book by Scott Chacon and Ben Straub and Get started from github.com
- **Mendeley:** Official Guides