

# Digital Skills for Researchers

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02 March - 25 March, 2022

## 1 $\text{\textcolor{red}{T}}\text{\textcolor{red}{E}}\text{\textcolor{red}{X}}$ and $\text{\textcolor{red}{L}}\text{\textcolor{red}{A}}\text{\textcolor{red}{T}}\text{\textcolor{red}{E}}\text{\textcolor{red}{X}}$

### 1.1 Week 1. Setup and basics

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

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

Session 2. Text and math (talk, tex, 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

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\*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)

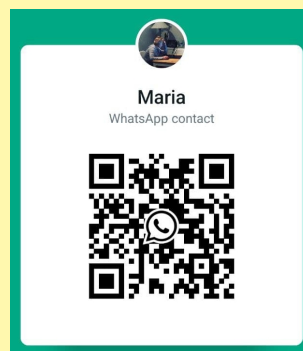
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Session 8. Version control and collaboration: Github (talk, tex, task)

- .md
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### Housekeeping

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



### Recommended resources

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