Digital Skills for Research

Maria Kunilovskaya[*]

02 March - 25 March, 2022

1   TeX and LaTeX

1.1   Week 1. Setup and basics

Session 1. Why TeX and first doc (talk, tex, task)

- What's TeX (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

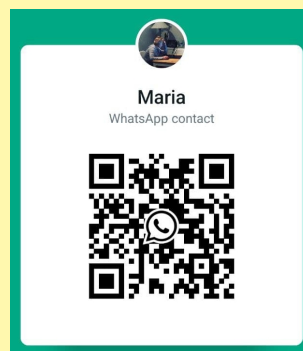Session 7. Reference management: Mendeley (talk, tex, task)

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

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Housekeeping

- Schedule (with rooms): Wed, Fri 10am-11am, live sessions

- Canvas materials, inc. 8 assignments

- achievement levels: confident LaTeX user, familiar with LaTeX , basic LaTeX skills (report completion in a google doc)

- send me a whatsup message: +44 7926 446507 or →

Maria
WhatsApp contact

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