

# Worshop on Emacs, Org-Mode, and Reproducible Research

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# Outline

# What is Emacs? A text editor

GNU Emacs is a free, portable, extensible text editor.

- Free: Open source, freely copyable and redistributable.
- Portable: Run on many machines under different operating systems.
- Extensible: Customizable for all aspects, many contributed packages, and add new functions via Elisp.

# Emacs is beyond a text editor

- Emacs is an IDE for editing and executing code in programming languages, like R, python, MATLAB, etc.
- Emacs is an operating system, easily managing files and folders within a diren-directory interface.
- Emacs can do spell checking, reading news, checking and sending emails, etc., through plenty of contributed packages.
- Most importantly, Emacs enable researchers to manage research project, take notes, and write dynamic documentation.