

Introduction to MATLAB

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Important Links

- Course Notes: <https://swcarpentry.github.io/matlab-novice-inflammation/>
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Timetable

- **09:00 — 10:30** Session 1, part 1
- **10:30 — 10:45** Break
- **10:45 — 12:00** Session 1, part 2
- **12:00 — 13:00** Lunch
- **13:00 — 14:30** Session 2, part 1
- **14:30 — 14:45** Break
- **14:45 — 16:00** Session 2, part 2

Teaching methods

- Live coding
- Exercises to try out what you're learning
- Course notes and slides available online
- All examples and exercises included in notes

Getting help / asking questions

- Use Zoom reactions:
- ‘Green tick’ if you’re okay
- ‘Red cross’ if you need help / you’re not okay
- ‘Raise hand’ if you want to ask question
- You will have questions, please ask them!

MATLAB

- MATLAB (MATrix LABoratory) is a programming language and numerical computing environment with its own IDE (Interactive Development Environment)
- [Advantage] Very good at matrix operations
- [Advantage] Large user base in science and engineering
- [Advantage] Well documented
- [Advantage] Can do a lot with it
- [Advantage] “Semi-interpreted” language - easy to use, great for prototyping and debugging
- [Disadvantage] “Semi-interpreted” language - slower than “compiled” language (eg C/C++)
- [Disadvantage] Not free to use or open source