

Module 02: Scientific Computing and Reproducible Research

FCIT 607: Data, Methods, and Models for Future Cities

John McLevey

Abstract

This learning module ...

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Learning Objectives

i By the end of the course module, students will be able to:

1. Coming soon...
2. Coming soon...
3. Coming soon...

Module Topics

- Research Computing Setup
 - VS Code, Jupyter, Quarto, and Git (+ GitHub)
 - How and When to (Not) Use LLMs for Coding and Data Analysis Help
- Basics of Data Summary and Visualization with Python

Assigned Reading + Lecture Slides

- [Scientific Computing and Reproducible Research](#)
- [Module 2 Slides](#)

Lab

Coming soon...

Questions, Tasks, and Challenges

Coming soon...

Recommended Additional Resources

- Coming soon...

References