

Martin O'Reilly

Principal Research Software Engineer

Industry: Running a “shadow IT” team of analysts and developers

MSc: Playing with robots, machine learning and understanding the brain by faking it

PhD: Helping computers find neurons in high-resolution microscope images

Industry: Consultant developer and technical project manager

Turing: Lead the RSE team within the Research Engineering Group

Interests: Good working practices for research software development.

Reproducible research. Open science.

Understanding the brain.



Ideas

What do good working practices for data science look like?

- What can we use from software engineering practices?
- Are these just good reproducible research practices?

How to make data sources better?

- Data navigable from within my code editor
- Can easily slice the data how I want
- Can easily combine data from different sources
- Data is versioned and supports differential download
- Smooth access to data requiring an access agreement / authentication
- Documentation accessible in context of data presentation

