Noteable™

Coding from your VLE

EDINA, the University of Edinburgh

What does Noteable do?

Noteable provides tools and support for lecturers, students and researchers to deliver computational narratives and coded solutions enable built on Jupyter notebooks.

These can be readily created, shared and reused regardless of their level of skill or knowledge.

Noteable access

► LTI integration with all leading VLEs incl. LEARN

► Infrastructure for course assignments, file and identity management

► Landing place for significant and meaningful open-source project contributions incl. JupyterLab, Classic, RStudio

► Good Data & Digital Literacy – facilitating the bridge
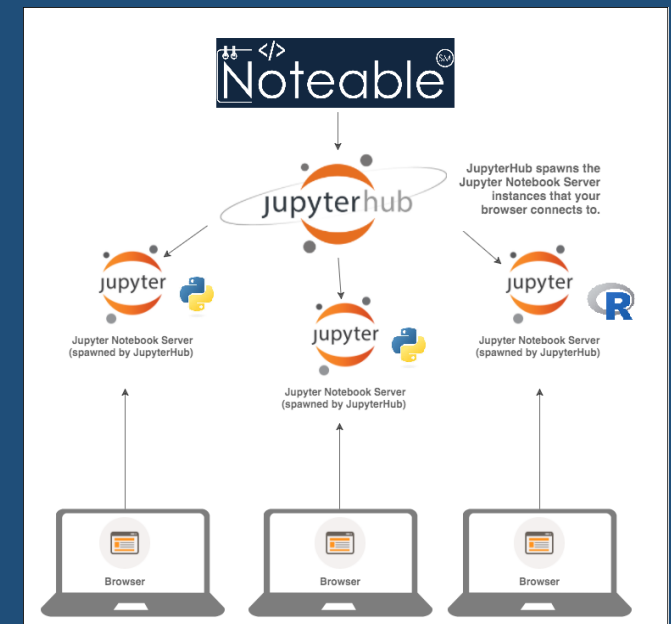
Noteable in application

► "Computational notebooks can empower guides for introducing methods to new users and can help researchers reach broader audiences interested in learning from, adapting, and remixing their work. Due to their utility and versatility, the ongoing adoption of computational notebooks in urban planning, analytics, and related geo-computation disciplines should continue into the future."

- Geoff Boeing, Urban planning and spatial analysis professor at University of Southern California

► Jupyter Notebooks are a highly beneficial tool for modern data analysis and for creating reproducible workflows, both for web-based access of large data and its effective manipulation and data visualisation with bokeh or jupyter widgets.

- Julia Wagemann, Co-Founder, Geospatial Women

► Abstract Jupyter Notebooks benefit data analysis in multiple ways since data access, manipulation and (interactive) visualisation can be combined in one workflow and programming environment.

- Stephan Siemen, Head of Development Section Forecast Department, European Centre for Medium-Range Weather Forecasts

Noteable for Researchers

- Lower barriers to reproducibility

- Provides the tools for an effective notebook lifecycle
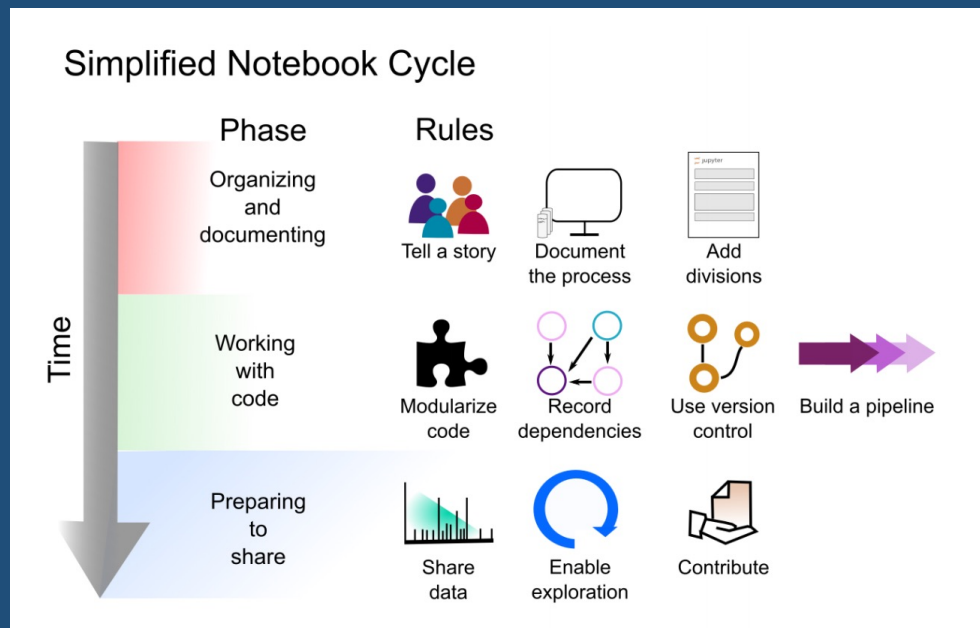
Accessing Noteable for research

- ► All course members work in same environments, less set up

- ► Able to expand class sizes and be more flexible in where classes held

- ► Easiest way to get started with geospatial modeling and analysis with docker images and example/tutorial Jupyter notebooks

- ► No installation required, access with browser

- ► Managed environment with support from the Universityi's centre for digital expertise EDINA

- ► Easily switch between containers

- ► We extend the Jupyter Notebook platform to enable users to run interactive notebooks on the cloud resource – accessible online through UoE portal

- ► Noteable Notebooks are ideal for displaying your workflows

Computational notebooks allow you to create and share live code, equations, visualisations and explanatory text. Noteable is a bespoke cloud-based application that lets students and lecturers run Jupyter notebooks online.