# Foundations (Pt. 2)

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Changes before 22/23

- $\Box$  Add Learning Outcomes for each week
- $\square$  More focus on code re-use and simplicity.

### **Code Camp**

All students should complete/revisit Code Camp Notebooks 8–11.

**Note:** there is an issue with the GeoJSON tasks in Notebooks 8 and 9. We can discuss in the Class.

#### Lectures

This week we start to move beyond Code Camp. So although you should recognise many of the *parts* that we discuss, you'll see that we start to put them together in a new way:

Video	Markdown for Note-taking
Dictionaries	Notes
LOLs	Notes
DOLs to Data	Notes
Functions	Notes
Packages	Notes

## Readings

- (Etherington 2016) DOI
- (Donoho 2017) DOI
- (Unwin 1980) DOI

#### Contribution

• Padlet: [Collaborative Agenda]

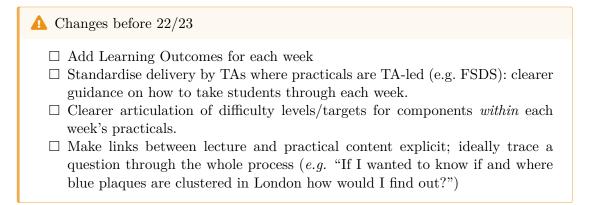
#### Quiz!

• Complete the short Moodle quiz associated with this week's activities.

#### **Class**

- Reviewing the Collaborative Agenda
- Discussion of **Readings**
- Live Coding

#### **Practical**



The practical can then be downloaded from GitHub.

Donoho, D. 2017. "50 Years of Data Science." Journal of Computational and Graphical Statistics 26 (4):745–66. https://doi.org/10.1007/978-3-642-23430-9\_71.

Etherington, Thomas R. 2016. "Teaching Introductory GIS Programming to Geographers Using an Open Source Python Approach." *Journal of Geography in Higher Education* 40 (1). Taylor & Francis:117–30.

Unwin, David. 1980. "Make Your Practicals Open-Ended." Journal of Geography in Higher Education 4 (2). Taylor & Francis:39–42. https://doi.org/10.1080/03098268 008708772.