# **Spatial Data**

⚠ Changes before 22/23

- $\square$  Add Learning Outcomes for each week
- ☐ Link back to Week 5 CASA0005 (Mapping) and Weeks 1–3 CASA0005 (Spatial Data)
- ☐ Add 'Module Dialogue' form, e.g. (to be tweaked):
  - Do you understand what is being taught on the module?
  - Do you know how you will be assessed?
  - Can you access the learning resources?

# **Overview**

# Learning Outcomes

- 1. You develop better *judgement* about interpreting and representing data.
- 2. You understand how GeoPandas extends Pandas with spatial functionality.
- 3. You develop better *practices* for data exploration.

# **Preparation**

#### **Lectures**

Come to class prepared to present:

Session	Video	Presentation	Notes
Mapping	Video	Slides	Notes
GeoPandas	Video	Slides	Notes
EDA	Video	Slides	Notes
ESDA	Video	Slides	Notes

#### Readings

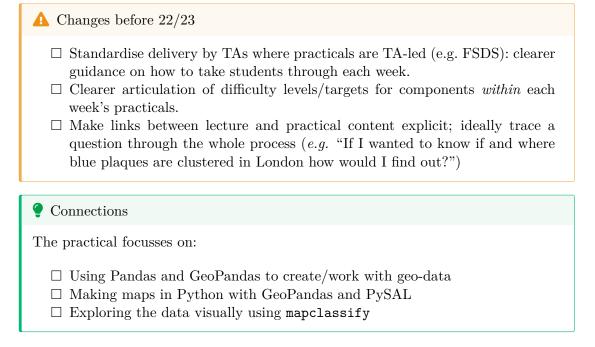
Come to class prepared to present:

- (D'Ignazio and Klein 2020, chap. 6) Pre-review URL, The Numbers Don't Speak for Themselves.
- (Elwood and Wilson 2017) DOI

#### **Activities**

- Padlet: [Collaborative Agenda]
- Complete the short Moodle quiz associated with this week's activities.

## **Practical**



The practical can be downloaded from GitHub.

## References

D'Ignazio, Catherine, and Lauren F. Klein. 2020. *Data Feminism*. MIT Press. https://bookbook.pubpub.org/data-feminism.

Elwood, S., and M. Wilson. 2017. "Critical GIS Pedagogies Beyond 'Week 10: Ethics." International Journal of Geographical Information Science 31 (10):2098–2116. https://doi.org/https://doi.org/10.1080/13658816.2017.1334892.