


Dimensions in Data

 Changes before 22/23

- ☐ Add Learning Outcomes for each week
- ☐ Link to clustering (Week 6 GIS & QM)

Overview

 Important

This week's Learning Outcomes are:

- 1.
- 2.
- 3.

Preparation

Lectures

Come to class prepared to present:

Session	Video	Presentation	Notes
The Data Space	Video	Slides	Notes
Transformation	Video	Slides	Notes
Dimensionality	Video	Slides	Notes

Readings

Come to class prepared to present:

- (Bunday n.d.) URL
- (Harris, n.d.) URL
- (Cima, n.d.) URL (PDF with Figures)
- (Lu and Henning 2013) DOI

Activities

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

Practical

Changes before 22/23

- ☐ Add Learning Outcomes for each week
- ☐ Standardise delivery by TAs where practicals are TA-led (e.g. FSDS): clearer guidance on how to take students through each week.
- ☐ Clearer articulation of difficulty levels/targets for components *within* each week's practicals.
- ☐ Make links between lecture and practical content explicit; ideally trace a question through the whole process (*e.g.* "If I wanted to know if and where blue plaques are clustered in London how would I find out?")

The practical can be downloaded from GitHub.

References

- Bunday, B. D. n.d. "A Final Tale or You Can Prove Anything with Figures." <https://www.ucl.ac.uk/~ucahhwi/AFinalTale.pdf>.
- Cima, R. n.d. "The Most and Least Diverse Cities in America." Priceonomics. <https://priceonomics.com/the-most-and-least-diverse-cities-in-america/>.
- Harris, R. n.d. "The Certain Uncertainty of University Rankings." RPubs. <https://rpubs.com/profrichharris/uni-rankings>.
- Lu, Yonggang, and Kevin SS Henning. 2013. "Are Statisticians Cold-Blooded Bosses? A New Perspective on the 'Old' concept of Statistical Population." *Teaching Statistics* 35 (1). Wiley Online Library:66–71.