

Dimensions in Data

 Changes before 22/23

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

Lectures

| Video | Markdown for Note-taking |
|-------------------------------|--------------------------|
| The Data Space Transformation | Notes |
| Dimensionality | Notes |

Readings

- (Bunday n.d.) A Final Tale or You Can Prove Anything with Figures URL
- (Harris, n.d.) The Certain Uncertainty of University Rankings URL
- (Cima, n.d.) The Most and Least Diverse Cities in America, Priceonomics URL (PDF with Figures)
- (Lu and Henning 2013) Are statisticians cold-blooded bosses? a new perspective on the ‘old’ concept of statistical population 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

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 then be downloaded from GitHub.

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.