DUMF 2024 research methods for Environmental Scientists

View Online

Reading list with suggested and essential text for the course. There are also a number of online resources to use.

1.

Jones, A.: Practical skills in environmental science. Prentice Hall, Harlow, Essex (2000).

2.

The Scientific Method, https://www.youtube.com/watch?v=yi0hwFDQTSQ.

3.

The Scientific Method, https://www.youtube.com/watch?v=yi0hwFDQTSQ.

4.

The Experimental Method, https://www.youtube.com/watch?v=ay1o8XjoMVk.

5.

Holden, J., Dawson Books: An introduction to physical geography and the environment. Pearson, Harlow, Essex (2012).

6.

Brady, N.C., Weil, R.R.: The nature and properties of soils. Pearson Prentice Hall, Upper Saddle River, NJ (1999).

7.

Stevens, J.P., Blackstock, T.H., Howe, E.A., Stevens, D.P.: Repeatability of Phase 1 habitat survey. Journal of Environmental Management. 73, 53–59 (2004). https://doi.org/10.1016/j.jenvman.2004.05.009.

8.

Cherrill, A., Mcclean, C.: Between-observer variation in the application of a standard method of habitat mapping by environmental consultants in the UK. Journal of Applied Ecology. 36, 989–1008 (1999). https://doi.org/10.1046/j.1365-2664.1999.00458.x.

9.

Cherrill, A., McClean, C.: The reliability of 'Phase 1' habitat mapping in the UK: the extent and types of observer bias. Landscape and Urban Planning. 45, 131–143 (1999). https://doi.org/10.1016/S0169-2046(99)00027-4.

10.

Ordnance Survey Blog Map reading skills: learn how to use grid references - Ordnance Survey Blog, https://getoutside.ordnancesurvey.co.uk/guides/beginners-guides-map-reading/.

11.

Handbook for Phase 1 habitat survey - a technique for environmental audit., http://jncc.defra.gov.uk/page-2468.

12.

Handbook for Phase 1 habitat survey - pub10_handbookforphase1habitatsurvey.pdf, http://data.jncc.gov.uk/data/9578d07b-e018-4c66-9c1b-47110f14df2a/Handbook-Phase1-HabitatSurvey-Revised-2016.pdf.

13.

Phase one habitat pencils, https://blog.nhbs.com/wildlife_equipment/berol-verithin-coloured-pencils-for-phase-1-habit

at-surveys/.

14.

R: The R Project for Statistical Computing, https://www.r-project.org/.

15.

Crawley, M.J., Ebooks Corporation Limited: The R book. John Wiley & Sons, Ltd, Chichester, West Sussex (2013).

16.

Harris, R., Jarvis, C.: Statistics in geography and environmental science. Prentice Hall, Harlow (2011).

17.

Harris, R., Jarvis, C.: Statistics in geography and environmental science. Prentice Hall, Harlow (2011).

18.

Introductory Statistics - Chapter 1: Introduction, https://www.youtube.com/watch?v=YHXadaW_lso, (2008).

19.

Introductory Statistics - Chapter 2: Presenting data, https://www.youtube.com/watch?v=qKPhtBIsyIY&feature=related, (14)AD.

20.

Introductory Statistics - Chapter 3: Measuring data, https://www.youtube.com/watch?v=NIhU9HB1NwM&fe, (14)AD.

21.

sample average and standard deviation.mp4,
https://www.youtube.com/watch?v=w-eZe-sIZho, (2)AD.

22.

Statistics: Sample vs. Population Mean, https://www.youtube.com/watch?v=hsPCte_PcVA, (19)AD.

23.

Heywood, D.I., Cornelius, S., Carver, S.: An introduction to geographical information systems. Prentice Hall, Harlow (2011).

24.

Introduction to GIS (Geographic Information Systems),
https://www.youtube.com/watch?v=bLnJpkqjlwo, (2012).