

# DUMF 2024 research methods for Environmental Scientists

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

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View Online



1.

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

2.

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

3.

The Scientific Method.

4.

The Experimental Method.

5.

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

6.

Brady, N. C. & Weil, R. R. The nature and properties of soils. (Pearson Prentice Hall, 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).

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).

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).

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.

13.

Phase one habitat pencils.  
[https://blog.nhbs.com/wildlife\\_equipment/berol-verithin-coloured-pencils-for-phase-1-habitat-surveys/](https://blog.nhbs.com/wildlife_equipment/berol-verithin-coloured-pencils-for-phase-1-habitat-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, 2013).

16.

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

17.

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

18.

Introductory Statistics - Chapter 1: Introduction. (2008).

19.

Introductory Statistics - Chapter 2: Presenting data. (14AD).

20.

Introductory Statistics - Chapter 3: Measuring data. (14AD).

21.

sample average and standard deviation.mp4. (2AD).

22.

Statistics: Sample vs. Population Mean. (19AD).

23.

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

24.

Introduction to GIS (Geographic Information Systems). (2012).