

## 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]

Brady, N.C. and Weil, R.R. 1999. The nature and properties of soils. Pearson Prentice Hall.

[2]

Cherrill, A. and McClean, C. 1999. Between-observer variation in the application of a standard method of habitat mapping by environmental consultants in the UK. *Journal of Applied Ecology*. 36, 6 (Dec. 1999), 989–1008.  
DOI:<https://doi.org/10.1046/j.1365-2664.1999.00458.x>.

[3]

Cherrill, A. and McClean, C. 1999. The reliability of 'Phase 1' habitat mapping in the UK: the extent and types of observer bias. *Landscape and Urban Planning*. 45, 2–3 (Oct. 1999), 131–143. DOI:[https://doi.org/10.1016/S0169-2046\(99\)00027-4](https://doi.org/10.1016/S0169-2046(99)00027-4).

[4]

Crawley, M.J. and Ebooks Corporation Limited 2013. The R book. John Wiley & Sons, Ltd.

[5]

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

[6]

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

[7]

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

[8]

Heywood, D.I. et al. 2011. An introduction to geographical information systems. Prentice Hall.

[9]

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

[10]

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

[11]

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/>.

[12]

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/).

[13]

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

[14]

Stevens, J.P. et al. 2004. Repeatability of Phase 1 habitat survey. *Journal of Environmental Management*. 73, 1 (Oct. 2004), 53-59.  
DOI:<https://doi.org/10.1016/j.jenvman.2004.05.009>.

[15]

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

[16]

Handbook for Phase 1 habitat survey - [pub10\\_handbookforphase1habitatsurvey.pdf](#).

[17]

2012. Introduction to GIS (Geographic Information Systems).

[18]

2008. Introductory Statistics - Chapter 1: Introduction.

[19]

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

[20]

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

[21]

2AD. sample average and standard deviation.mp4.

[22]

19AD. Statistics: Sample vs. Population Mean.

[23]

The Experimental Method.

[24]

The Scientific Method.