

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.

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), pp. 989–1008. Available at: <https://doi.org/10.1046/j.1365-2664.1999.00458.x>.

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), pp. 131–143. Available at: [https://doi.org/10.1016/S0169-2046\(99\)00027-4](https://doi.org/10.1016/S0169-2046(99)00027-4).

Crawley, M.J. and Ebooks Corporation Limited (2013) *The R book*. Second edition. Chichester, West Sussex: John Wiley & Sons, Ltd. Available at: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=1120574>.

Field Guide purchase (no date). Available at: http://rbg-web2.rbge.org.uk/bbs/Activities/Field_Guide_order.htm.

Handbook for Phase 1 habitat survey - a technique for environmental audit. (no date). Available at: <http://jncc.defra.gov.uk/page-2468>.

'Handbook for Phase 1 habitat survey - pub10_handbookforphase1habitatsurvey.pdf' (no date). Available at: <http://data.jncc.gov.uk/data/9578d07b-e018-4c66-9c1b-47110f14df2a/Handbook-Phase1-HabitatSurvey-Revised-2016.pdf>.

Harris, R. and Jarvis, C. (2011a) *Statistics in geography and environmental science*. Harlow: Prentice Hall. Available at: https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA213700596003931.

Harris, R. and Jarvis, C. (2011b) *Statistics in geography and environmental science*. Harlow: Prentice Hall. Available at: https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA213700596003931.

Heywood, D.I., Cornelius, S. and Carver, S. (2011) *An introduction to geographical information systems*. 4th edn. Harlow: Prentice Hall. Available at: https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2122287430003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab=&en_US=&en_US=&en_US=&en_US=&en_US.

Holden, J. and Dawson Books (2012) An introduction to physical geography and the environment [electronic resource]. 3rd ed. Harlow, Essex: Pearson. Available at: <https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780273740872>.

'Introduction to GIS (Geographic Information Systems)' (2012). Available at: <https://www.youtube.com/watch?v=bLnJpkqjlwo>.

'Introduction to Surveying OTEN' (29 AD). Available at: <https://www.youtube.com/watch?v=j8poe2vvD2Q>.

'Introductory Statistics - Chapter 1: Introduction' (2008). Available at: https://www.youtube.com/watch?v=YHXadaW_Iso.

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

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

Jones, A. (2000) Practical skills in environmental science. Harlow, Essex: Prentice Hall. Available at: https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2121660630003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab□=en_US□=en_US□=en_US.

Kirkconnell Flow - Management Story (no date). Available at: <http://www.snh.gov.uk/publications-data-and-research/publications/search-the-catalogue/publication-detail/?id=1615>.

Ordnance Survey Blog Map reading skills: learn how to use grid references - Ordnance Survey Blog (no date). Available at: <https://getoutside.ordnancesurvey.co.uk/guides/beginners-guides-map-reading/>.

Phase one habitat pencils (no date). Available at: https://blog.nhbs.com/wildlife_equipment/berol-verithin-coloured-pencils-for-phase-1-habitat-surveys/.

R: The R Project for Statistical Computing (no date). Available at: <https://www.r-project.org/>.

'Russian coring on the Subantarctic Islands' (2014). Available at: <https://www.youtube.com/watch?v=oBmurwyRkkU>.

Rydin, H., Jeglum, J.K. and Bennett, K.D. (2013) The biology of peatlands. 2nd ed. Oxford: Oxford University Press. Available at: <http://libcat.uhi.ac.uk/record=b1771381~S26>.

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

Sphagnum mosses in bogs - FSC (no date). Available at:

<http://www.field-studies-council.org/publications/pubs/sphagnum-mosses-in-bogs.aspx>.

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

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

Weil, R.R. and Brady, N.C. (2017) *The nature and properties of soils*. Fifteenth edition. Harlow, Essex: Pearson Education Limited. Available at:
<https://ebookcentral.proquest.com/lib/gla/detail.action?docID=5186149>.