

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.

View Online



[1]

A. Jones, Practical skills in environmental science. Harlow, Essex: Prentice Hall, 2000
[Online]. Available:

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

[2]

'The Scientific Method'. [Online]. Available:

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

[3]

'The Scientific Method'. [Online]. Available:

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

[4]

'The Experimental Method'. [Online]. Available:

<https://www.youtube.com/watch?v=ay1o8XjoMVk>

[5]

J. Holden and Dawson Books, An introduction to physical geography and the environment, 3rd ed. Harlow, Essex: Pearson, 2012 [Online]. Available:

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780273740872>

[6]

N. C. Brady and R. R. Weil, *The nature and properties of soils*, 12th ed. Upper Saddle River, NJ: Pearson Prentice Hall, 1999 [Online]. Available:
https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2124386220003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&en_US=en_US

[7]

J. P. Stevens, T. H. Blackstock, E. A. Howe, and D. P. Stevens, 'Repeatability of Phase 1 habitat survey', *Journal of Environmental Management*, vol. 73, no. 1, pp. 53-59, Oct. 2004, doi: 10.1016/j.jenvman.2004.05.009.

[8]

A. Cherrill and C. Mcclean, 'Between-observer variation in the application of a standard method of habitat mapping by environmental consultants in the UK', *Journal of Applied Ecology*, vol. 36, no. 6, pp. 989-1008, Dec. 1999, doi: 10.1046/j.1365-2664.1999.00458.x.

[9]

A. Cherrill and C. McClean, 'The reliability of "Phase 1" habitat mapping in the UK: the extent and types of observer bias', *Landscape and Urban Planning*, vol. 45, no. 2-3, pp. 131-143, Oct. 1999, doi: 10.1016/S0169-2046(99)00027-4.

[10]

'Ordnance Survey Blog Map reading skills: learn how to use grid references - Ordnance Survey Blog'. [Online]. Available:
<https://getoutside.ordnancesurvey.co.uk/guides/beginners-guides-map-reading/>

[11]

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

[12]

'Handbook for Phase 1 habitat survey - pub10_handbookforphase1habitatsurvey.pdf'.
[Online]. Available:
<http://data.jncc.gov.uk/data/9578d07b-e018-4c66-9c1b-47110f14df2a/Handbook-Phase1-HabitatSurvey-Revised-2016.pdf>

[13]

'Phase one habitat pencils'. [Online]. Available:
https://blog.nhbs.com/wildlife_equipment/berol-verithin-coloured-pencils-for-phase-1-habitat-surveys/

[14]

'R: The R Project for Statistical Computing'. [Online]. Available: <https://www.r-project.org/>

[15]

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

[16]

R. Harris and C. Jarvis, Statistics in geography and environmental science. Harlow: Prentice Hall, 2011 [Online]. Available:
https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA2137005960003931

[17]

R. Harris and C. Jarvis, Statistics in geography and environmental science. Harlow: Prentice Hall, 2011 [Online]. Available:
https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA2137005960003931

[18]

'Introductory Statistics - Chapter 1: Introduction'. Dec. 19, 2008 [Online]. Available:
https://www.youtube.com/watch?v=YHXadaW_Iso

[19]

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

[20]

'Introductory Statistics - Chapter 3: Measuring data'. 14AD [Online]. Available:
<https://www.youtube.com/watch?v=NlhU9HB1NwM&fe>

[21]

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

[22]

'Statistics: Sample vs. Population Mean'. 19AD [Online]. Available:
https://www.youtube.com/watch?v=hsPCte_PcVA

[23]

D. I. Heywood, S. Cornelius, and S. Carver, An introduction to geographical information systems, 4th ed. Harlow: Prentice Hall, 2011 [Online]. Available:
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=en_US

[24]

'Introduction to GIS (Geographic Information Systems)'. Dec. 30, 2012 [Online]. Available:
<https://www.youtube.com/watch?v=bLnJpkqjlwo>