

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

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

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

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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. 3rd ed. Harlow, Essex: : Pearson 2012.
<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780273740872>

6

Brady NC, Weil RR. The nature and properties of soils. 12th ed. Upper Saddle River, NJ: : Pearson Prentice Hall 1999.

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

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Stevens JP, Blackstock TH, Howe EA, et al. Repeatability of Phase 1 habitat survey. Journal of Environmental Management 2004;**73**:53–9. doi: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 1999;**36**:989–1008. doi:10.1046/j.1365-2664.1999.00458.x

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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 1999;**45**:131–43. doi:10.1016/S0169-2046(99)00027-4

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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>

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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-habitat-surveys/

14

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

15

Crawley MJ, Ebooks Corporation Limited. The R book. Second edition. Chichester, West Sussex: : John Wiley & Sons, Ltd 2013.

<https://ebookcentral.proquest.com/lib/gla/detail.action?docID=1120574>

16

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

https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA213700596003931

17

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

https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA213700596003931

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Introductory Statistics - Chapter 1: Introduction.

2008. https://www.youtube.com/watch?v=YHXadaW_Iso

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Introductory Statistics - Chapter 2: Presenting data.

14AD.<https://www.youtube.com/watch?v=qKPhtBlsyIY&feature=related>

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Introductory Statistics - Chapter 3: Measuring data.

14AD.<https://www.youtube.com/watch?v=NIhU9HB1NwM&fe>

21

sample average and standard deviation.mp4.

2AD.<https://www.youtube.com/watch?v=w-eZe-sIZho>

22

Statistics: Sample vs. Population Mean.

19AD.https://www.youtube.com/watch?v=hsPCte_PcVA

23

Heywood DI, Cornelius S, Carver S. An introduction to geographical information systems.
4th ed. Harlow: : Prentice Hall 2011.

[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](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)

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Introduction to GIS (Geographic Information Systems).

2012.<https://www.youtube.com/watch?v=bLnJpkqjlwo>