Research and Field Skills





[1]

G. N. Derry, 'What is Science? (What science is and how it works: Prologue)', in What science is and how it works, Princeton, N.J.: Princeton University Press, 1999 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580

[2]

P. D. Leedy and J. E. Ormrod, 'What is research? (Practical research: planning and design: Ch 1)', in Practical research: planning and design, 11th ed., Boston: Pearson, 2015 [Online]. Available: https://ebookcentral.proguest.com/lib/uea/detail.action?milDocID=887036

[3]

M. P. Marder, 'Curiosity and research (Research methods for science: Ch 1)', in Research methods for science, Cambridge: Cambridge University Press, 2011 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=297821

[4]

M. Hulme, 'The performance of science (Why we disagree about climate change: understanding controversy, inaction and opportunity: Ch 3)', in Why we disagree about climate change: understanding controversy, inaction and opportunity, Cambridge: Cambridge University Press, 2009.

[5]

G. N. Derry, 'Difficult and important questions: science, values and ethics (What science is and how it works: Ch 11)', in What science is and how it works, Princeton, N.J.: Princeton University Press, 1999 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580

[6]

G. N. Derry, 'Nature's Jigsaw (What science is and how it works: Ch 2)', in What science is and how it works, Princeton, N.J.: Princeton University Press, 1999 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580

[7]

G. N. Derry, 'Thinking straight: evidence, reason and critical evaluation (What science is and how it works: Ch 7)', in What science is and how it works, Princeton, N.J.: Princeton University Press, 1999 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580

[8]

'How Science Changes - The Atlantic'. [Online]. Available: http://www.theatlantic.com/technology/archive/2012/12/how-science-changes/266145/

[9]

S. O. Funtowicz and J. R. Ravetz, 'Science for the post-normal age', Futures, vol. 25, no. 7, pp. 739–755, Sep. 1993, doi: 10.1016/0016-3287(93)90022-L.

[10]

'Stuart Firestein: The pursuit of ignorance | TED Talk | TED.com'. [Online]. Available: https://www.ted.com/talks/stuart_firestein_the_pursuit_of_ignorance

[11]

J. E. Andrews, An introduction to environmental chemistry, 2nd ed. Malden, Mass: Blackwell, 2004 [Online]. Available: http://www.myilibrary.com/browse/open.asp?id=237121&entityid=https://login.uea.a c.uk/entity P. D. Leedy and J. E. Ormrod, 'The problem: the heart of the research process (Practical research: planning and design: Ch 3)', in Practical research: planning and design, 11th ed., Boston: Pearson, 2015 [Online]. Available: https://ebookcentral.proguest.com/lib/uea/detail.action?milDocID=887036

[13]

W. J. Sutherland, 'Planning a research programme (Ecological census techniques: Ch. 1)', in Ecological census techniques: a handbook, Cambridge University Press, 2006 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=268225

[14]

M. P. Marder, 'Overview of experimental analysis and design (Research methods for science: Ch 2)', in Research methods for science, Cambridge: Cambridge University Press, 2011 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=297821

[15]

S. Watts and L. Halliwell, 'The Good Scientist (Essential environmental science: methods & techniques: Ch. 1)', in Essential environmental science: methods & techniques, London: Routledge, 1996 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=9894

[16]

B. Goldacre, Bad science, [New ed.]. London: Harper Perennial, 2009.

[17]

P. Kneale, 'Constructing an argument (Study skills for geography, earth and environmental science students: Ch. 11)', in Study skills for geography, earth and environmental science students, 3rd ed., London: Hodder Education, 2011 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=712854

[18]

P. D. Leedy and J. E. Ormrod, 'Planning your research project (Practical research: planning and design: Ch 5)', in Practical research: planning and design, Eleventh edition., Boston:

Pearson, 2015 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036

[19]

S. Watts and L. Halliwell, 'Sampling (Essential environmental science: methods & techniques: Ch. 2)', in Essential environmental science: methods & techniques, London: Routledge, 1996 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?docID=179639

[20]

S. Watts and L. Halliwell, 'Ecological fieldwork methods (Essential environmental science: methods & techniques: Ch 8)', in Essential Environmental Science: Methods & Techniques, London: Routledge, 1996 [Online]. Available: https://ebookcentral.proguest.com/lib/uea/detail.action?milDocID=9894

[21]

S. Rice, 'Sampling in Geography (Key methods in geography: Ch 17)', in Key methods in geography, 3rd ed., London: SAGE, 2016 [Online]. Available: https://app.talis.com/textbooks/9781473908970

[22]

'Visionlearning | Process of Science | Data Analysis and Interpretation'. [Online]. Available: http://www.visionlearning.com/en/library/Process-of-Science/49/Data-Analysis-and-Interpre tation/154

[23]

R. Field, 'Data handling & presentation (Key methods in geography: Ch 21)', in Key methods in geography, Third edition., N. J. Clifford, M. Cope, T. Gillespie, and S. French, Eds. Los Angeles: SAGE, 2016 [Online]. Available: https://app.talis.com/textbooks/9781473908970

[24]

'Visionlearning | Process of Science | Using Graphs and Visual Data in Science'. [Online]. Available:

http://www.visionlearning.com/en/library/Process-of-Science/49/Using-Graphs-and-Visual-D ata-in-Science/156

[25]

S. Berinato, Good charts: the HBR guide to making smarter, more persuasive data visualizations. Boston, Massachusetts: Harvard Business Review Press, 2016.

[26]

S. Few, Show me the numbers: designing tables and graphs to enlighten, Second edition. El Dorado Hills, California: Analytics Press, 2012.

[27]

E. R. Tufte, The visual display of quantitative information, Second edition. Cheshire, Connecticut: Graphics Press, 2013.

[28]

'Improving your graph: a case study'. [Online]. Available: http://baryon.be/blog/2016/08/improving-your-graph-a-case-study/

[29]

S. Watts and L. Halliwell, 'Social surveys (Essential environmental science: methods & techniques: Ch 9)', in Essential environmental science: methods & techniques, London: Routledge, 1996 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=9894

[30]

J. Parfitt, 'Questionnaire design & sampling (Methods in Human Geography: Ch 6)', in Methods in human geography: a guide for students doing a research project, 2nd ed., Harlow: Pearson/Prentice-Hall, 2005 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=1461044 S. L. McLafferty, 'Conducting Questionnaire Surveys (Key methods in geography: Ch 6)', in Key methods in geography, Third edition., N. J. Clifford, M. Cope, T. Gillespie, and S. French, Eds. Los Angeles: SAGE, 2016 [Online]. Available: https://app.talis.com/textbooks/9781473908970

[32]

'Visionlearning | Process of Science | Scientific Ethics'. [Online]. Available: http://www.visionlearning.com/en/library/Process-of-Science/49/Scientific-Ethics/161

[33]

D. B. Resnik, 'What is Ethics in Research and Why is it Important?' [Online]. Available: http://www.niehs.nih.gov/research/resources/bioethics/whatis/

[34]

P. Oliver, The student's guide to research ethics, 2nd ed. Maidenhead, Berkshire: Open University Press, 2010 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=557103

[35]

M. P. Marder, 'Overview of experimental analysis and design (Research methods for science: Ch 2)', in Research methods for science, Cambridge: Cambridge University Press, 2011 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=297821

[36]

P. D. Leedy and J. E. Ormrod, 'Planning your research project (Practical research: planning and design: Ch 5)', in Practical research: planning and design, 11th ed., Upper Saddle River, N.J.: Prentice Hall, 2015 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036

[37]

'Risk assessments (Royal Geographical Society guidance)'. [Online]. Available: https://www.rgs.org/in-the-field/fieldwork-in-schools/fieldwork-safety-and-planning/risk-ass essments/ [38]

'Risk Assessment | STEM'. [Online]. Available: https://www.stem.org.uk/elibrary/resource/31202

[39]

J. R. Jensen and R. R. Jensen, 'Georeferencing (Introductory geographic information systems: Ch 2)', in Introductory geographic information systems, International ed., vol. Pearson series in geographic information science, Boston: Pearson, 2013.

[40]

M. D. Kennedy, 'Some concepts that underpin GIS (Introducing geographic information systems with ArcGIS: a workbook approach to learning GIS: Ch 1)', in Introducing geographic information systems with ArcGIS: a workbook approach to learning GIS, Third edition., Hoboken, New Jersey: John Wiley & Sons, 2013 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=875846

[41]

M. S. Monmonier, 'Elements of the map (How to lie with maps: Ch 2)', in How to lie with maps, 2nd ed., Chicago: University of Chicago Press, 1996.

[42]

M. S. Monmonier, 'Map generalization: little white lies and lots of them (How to lie with maps: Ch 3)', in How to lie with maps, 2nd ed., Chicago: University of Chicago Press, 1996.

[43]

M. Kennedy, 'Products of a GIS: Maps and Other Information (Introducing geographic information systems with ArcGIS: a workbook approach to learning GIS: Ch 3)', in Introducing geographic information systems with ArcGIS: a workbook approach to learning GIS, Third edition., Hoboken, New Jersey: John Wiley & Sons, 2013 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=875846

[44]

C. (Kate) E. Jones, 'Cartographic Theory and Principles', in Interacting with geospatial technologies, Chichester, West Sussex, UK: John Wiley, 2010, pp. 37–65 [Online]. Available: http://doi.wiley.com/10.1002/9780470689813.ch3

[45]

M. Haklay, 'Colour figures for Cartographic Theory and Principles (Interacting with Geospatial Technologies: Ch 3)', in Interacting with geospatial technologies, Chichester, West Sussex, UK: John Wiley, 2010, pp. c1–c16 [Online]. Available: http://doi.wiley.com/10.1002/9780470689813.ins

[46]

D. Wood and J. Fels, The natures of maps: cartographic constructions of the natural world. Chicago: University of Chicago Press, 2008.

[47]

J. Brotton, A history of the world in twelve maps. London: Allen Lane, 2012.

[48]

P. Longley, M. F. Goodchild, and D. J. Maguire, 'Georeferencing: (Geographic information science & systems: Ch 4)', in Geographic information science & systems, Fourth edition., Hoboken, NJ: Wiley, 2015 [Online]. Available:

https://app-knovel-com.uea.idm.oclc.org/web/toc.v/cid:kpGISSE001/viewerType:toc//root_sl ug:geographic-information-science?kpromoter=marc

[49]

P. Longley, M. F. Goodchild, and D. J. Maguire, 'Geographic information: science, systems and society (Geographic information science & systems: Ch 1)', in Geographic information science & systems, Fourth edition., Hoboken, NJ: Wiley, 2015 [Online]. Available: https://app.knovel.com/web/toc.v/cid:kpGISSE001/viewerType:toc//root_slug:geographic-inf ormation-science?kpromoter=marc

[50]

J. R. Jensen and R. R. Jensen, 'Introduction to GIS (Introductory geographic information systems: Ch 1)', in Introductory geographic information systems, International ed., vol. Pearson series in geographic information science, Boston: Pearson, 2013.

[51]

J. R. Jensen and R. R. Jensen, 'Spatial data models and databases (Introductory geographic information systems: Ch 5)', in Introductory geographic information systems, International ed., vol. Pearson series in geographic information science, Boston: Pearson, 2013.

[52]

P. Longley, M. F. Goodchild, and D. J. Maguire, 'Representing geography (Geographic information science & systems: Ch 3)', in Geographic information science & systems, Fourth edition., Hoboken, NJ: Wiley, 2015 [Online]. Available: https://app.knovel.com/web/toc.v/cid:kpGISSE001/viewerType:toc//root_slug:geographic-inf ormation-science?kpromoter=marc

[53]

S. M. J. Baban and J. Flannagan, 'Developing and Implementing GIS-assisted Constraints Criteria for Planning Landfill Sites in the UK', Planning Practice and Research, vol. 13, no. 2, pp. 139–151, May 1998, doi: 10.1080/02697459816157.

[54]

L. E. Thornton, J. R. Pearce, L. Macdonald, K. E. Lamb, and A. Ellaway, 'Does the choice of neighbourhood supermarket access measure influence associations with individual-level fruit and vegetable consumption? A case study from Glasgow', International Journal of Health Geographics, vol. 11, no. 1, 2012, doi: 10.1186/1476-072X-11-29.

[55]

H. Bagan and Y. Yamagata, 'Landsat analysis of urban growth: How Tokyo became the world's largest megacity during the last 40years', Remote Sensing of Environment, vol. 127, pp. 210–222, Dec. 2012, doi: 10.1016/j.rse.2012.09.011.

[56]

A. Comber, C. Brunsdon, and E. Green, 'Using a GIS-based network analysis to determine

urban greenspace accessibility for different ethnic and religious groups', Landscape and Urban Planning, vol. 86, no. 1, pp. 103–114, May 2008, doi: 10.1016/j.landurbplan.2008.01.002.

[57]

A. A. Lovett, J. P. Parfitt, and J. S. Brainard, 'Using GIS in Risk Analysis: A Case Study of Hazardous Waste Transport', Risk Analysis, vol. 17, no. 5, pp. 625–633, Oct. 1997, doi: 10.1111/j.1539-6924.1997.tb00903.x.

[58]

L. J. Brown, D. Lamhonwah, and B. L. Murphy, 'Projecting a spatial shift of Ontario's sugar maple habitat in response to climate change: A GIS approach', The Canadian Geographer / Le Géographe canadien, vol. 59, no. 3, pp. 369–381, Sep. 2015, doi: 10.1111/cag.12197.

[59]

Y. Liang and L. Liu, 'Modeling urban growth in the middle basin of the Heihe River, northwest China', Landscape Ecology, vol. 29, no. 10, pp. 1725–1739, Dec. 2014, doi: 10.1007/s10980-014-0089-9.

[60]

P. E. Kneale, 'Practical reports, laboratory and field notebooks (Study skills for geography, earth and environmental science students: Ch 18)', in Study skills for geography, earth and environmental science students, 3rd ed., London: Hodder Education, 2011 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=712854

[61]

P. D. Leedy and J. E. Ormrod, 'Preparing the research report (Practical research: planning and design: Ch 12)', in Practical research: planning and design, Eleventh edition., Boston: Pearson, 2015 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036

[62]

M. Bradford, 'Writing essays, reports and dissertations (Key methods in geography: Ch

31)', in Key methods in geography, Third edition., N. J. Clifford, M. Cope, T. Gillespie, and S. French, Eds. Los Angeles: SAGE, 2016 [Online]. Available: https://app.talis.com/textbooks/9781473908970

[63]

P. E. Kneale, 'Effective essay skills (Study skills for geography, earth and environmental science students: Ch 17)', in Study skills for geography, earth and environmental science students, 3rd ed., London: Hodder Education, 2011 [Online]. Available: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=712854

[64]

B. Greetham, How to write better essays, Fourth edition. London: Macmillan Education, 2018 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?docID=6235046

[65]

M. Shields, Essay writing: a student's guide, vol. SAGE study skills. Los Angeles, [Calif.]: SAGE, 2010 [Online]. Available:

https://ebookcentral.proquest.com/lib/uea/detail.action?docID=743723

[66]

'The most commonly misused words and phrases in scientific writing | Adams Kaul'. [Online]. Available: https://adamskaul.wordpress.com/2014/05/12/201452the-most-commonly-misused-wordsand-phrases-in-scientific-writing/

[67]

'Top Ten style checks for PhDs or creative non-fiction writers'. [Online]. Available: https://medium.com/advice-and-help-in-authoring-a-phd-or-non-fiction/top-ten-style-checks -for-phds-or-creative-non-fiction-writers-9ca63542f5d#.yrmib5szu

[68]

'Lesson 3: Scientific Writing - Concision and Simplicity (Duke University)'. [Online]. Available: https://cgi.duke.edu/web/sciwriting/index.php?action=lesson3

[69]

'Style Points for Scientific Writing (University of Connecticut Writing Center)'. [Online]. Available: https://web2.uconn.edu/writingcenter/pdf/Style_Points_for_Scientific_Writing.pdf

[70]

'Scientific Writing Resource - Duke University'. [Online]. Available: https://cgi.duke.edu/web/sciwriting/index.php?action=passive_voice

[71]

'Effective Writing | Learn Science at Scitable'. [Online]. Available: https://www.nature.com/scitable/topicpage/effective-writing-13815989

[72]

'Active vs. Passive Voice in Scientific Writing'. [Online]. Available: https://www.acs.org/content/dam/acsorg/events/professional-development/Slides/2015-04-09-active-passive.pdf