Research and Field Skills



'Active vs. Passive Voice in Scientific Writing' (no date). Available at: https://www.acs.org/content/dam/acsorg/events/professional-development/Slides/2015-04-09-active-passive.pdf.

Andrews, J.E. (2004) An introduction to environmental chemistry. 2nd ed. Malden, Mass: Blackwell. Available at:

http://www.myilibrary.com/browse/open.asp?id=237121&entityid=https://login.uea.ac.uk/entity.

Baban, S.M.J. and Flannagan, J. (1998) 'Developing and Implementing GIS-assisted Constraints Criteria for Planning Landfill Sites in the UK', Planning Practice and Research, 13(2), pp. 139–151. Available at: https://doi.org/10.1080/02697459816157.

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

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

Bradford, M. (2016) 'Writing essays, reports and dissertations (Key methods in geography: Ch 31)', in N.J. Clifford et al. (eds) Key methods in geography. Third edition. Los Angeles: SAGE. Available at: https://app.talis.com/textbooks/9781473908970.

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

Brown, L.J., Lamhonwah, D. and Murphy, B.L. (2015) 'Projecting a spatial shift of Ontario's sugar maple habitat in response to climate change: A GIS approach', The Canadian Geographer / Le Géographe canadien, 59(3), pp. 369–381. Available at: https://doi.org/10.1111/cag.12197.

Comber, A., Brunsdon, C. and Green, E. (2008) 'Using a GIS-based network analysis to determine urban greenspace accessibility for different ethnic and religious groups', Landscape and Urban Planning, 86(1), pp. 103–114. Available at: https://doi.org/10.1016/j.landurbplan.2008.01.002.

Derry, G.N. (1999a) '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. Available at:

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

Derry, G.N. (1999b) '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. Available at: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580.

Derry, G.N. (1999c) '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. Available at:

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

Derry, G.N. (1999d) '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. Available at: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580.

Effective Writing | Learn Science at Scitable (no date). Available at: https://www.nature.com/scitable/topicpage/effective-writing-13815989.

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

Field, R. (2016) 'Data handling & presentation (Key methods in geography: Ch 21)', in N.J. Clifford et al. (eds) Key methods in geography. Third edition. Los Angeles: SAGE. Available at: https://app.talis.com/textbooks/9781473908970.

Funtowicz, S.O. and Ravetz, J.R. (1993) 'Science for the post-normal age', Futures, 25(7), pp. 739–755. Available at: https://doi.org/10.1016/0016-3287(93)90022-L.

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

Greetham, B. (2018) How to write better essays. Fourth edition. London: Macmillan Education. Available at:

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

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

How Science Changes - The Atlantic (no date). Available at: http://www.theatlantic.com/technology/archive/2012/12/how-science-changes/266145/.

Hulme, M. (2009) '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.

Improving your graph: a case study (no date). Available at: http://baryon.be/blog/2016/08/improving-your-graph-a-case-study/.

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

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

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

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

Kennedy, M. (2013) '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. Available at: https://ebookcentral.proguest.com/lib/uea/detail.action?docID=875846.

Kennedy, M.D. (2013) '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. Available at: https://ebookcentral.proguest.com/lib/uea/detail.action?docID=875846.

Kneale, P. (2011) '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. Available at: https://ebookcentral.proquest.com/lib/uea/detail.action?docID=712854.

Kneale, P.E. (2011a) '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. Available at: https://ebookcentral.proguest.com/lib/uea/detail.action?docID=712854.

Kneale, P.E. (2011b) '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. Available at: https://ebookcentral.proguest.com/lib/uea/detail.action?docID=712854.

Leedy, P.D. and Ormrod, J.E. (2015a) 'Planning your research project (Practical research: planning and design: Ch 5)', in Practical research: planning and design. Eleventh edition. Boston: Pearson. Available at:

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

Leedy, P.D. and Ormrod, J.E. (2015b) '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. Available at:

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

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

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

Leedy, P.D. and Ormrod, J.E. (2015d) '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. Available at:

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

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

Lesson 3: Scientific Writing - Concision and Simplicity (Duke University) (no date). Available at: https://cgi.duke.edu/web/sciwriting/index.php?action=lesson3.

Liang, Y. and Liu, L. (2014) 'Modeling urban growth in the middle basin of the Heihe River, northwest China', Landscape Ecology, 29(10), pp. 1725–1739. Available at: https://doi.org/10.1007/s10980-014-0089-9.

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

Longley, P., Goodchild, M.F. and Maguire, D.J. (2015b) 'Georeferencing: (Geographic information science & systems: Ch 4)', in Geographic information science & systems. Fourth edition. Hoboken, NJ: Wiley. Available at: https://app-knovel-com.uea.idm.oclc.org/web/toc.v/cid:kpGISSE001/viewerType:toc//root_slug:geographic-information-science?kpromoter=marc.

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

Lovett, A.A., Parfitt, J.P. and Brainard, J.S. (1997) 'Using GIS in Risk Analysis: A Case Study of Hazardous Waste Transport', Risk Analysis, 17(5), pp. 625–633. Available at: https://doi.org/10.1111/j.1539-6924.1997.tb00903.x.

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

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

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

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

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

McLafferty, S.L. (2016) 'Conducting Questionnaire Surveys (Key methods in geography: Ch 6)', in N.J. Clifford et al. (eds) Key methods in geography. Third edition. Los Angeles: SAGE. Available at: https://app.talis.com/textbooks/9781473908970.

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

Monmonier, M.S. (1996b) '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.

Oliver, P. (2010) The student's guide to research ethics. 2nd ed. Maidenhead, Berkshire: Open University Press. Available at:

https://ebookcentral.proquest.com/lib/uea/detail.action?docID=557103.

Parfitt, J. (2005) '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. Available at:

https://ebookcentral.proguest.com/lib/uea/detail.action?docID=1461044.

Resnik, D.B. (no date) What is Ethics in Research and Why is it Important? [US] Naational Institute of Environmental Health Sciences. Available at: http://www.niehs.nih.gov/research/resources/bioethics/whatis/.

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

Risk Assessment | STEM (no date). Available at: https://www.stem.org.uk/elibrary/resource/31202.

Risk assessments (Royal Geographical Society guidance) (no date). Available at: https://www.rgs.org/in-the-field/fieldwork-in-schools/fieldwork-safety-and-planning/risk-ass essments/.

Scientific Writing Resource - Duke University (no date). Available at: https://cgi.duke.edu/web/sciwriting/index.php?action=passive voice.

Shields, M. (2010) Essay writing: a student's guide. Los Angeles, [Calif.]: SAGE. Available at: https://ebookcentral.proguest.com/lib/uea/detail.action?docID=743723.

'Stuart Firestein: The pursuit of ignorance | TED Talk | TED.com' (no date). Available at: https://www.ted.com/talks/stuart firestein the pursuit of ignorance.

'Style Points for Scientific Writing (University of Connecticut Writing Center)' (no date). Available at:

https://web2.uconn.edu/writingcenter/pdf/Style Points for Scientific Writing.pdf.

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

The most commonly misused words and phrases in scientific writing | Adams Kaul (no date). Available at:

https://adamskaul.wordpress.com/2014/05/12/201452the-most-commonly-misused-words-and-phrases-in-scientific-writing/.

Thornton, L.E. et al. (2012) '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, 11(1). Available at: https://doi.org/10.1186/1476-072X-11-29.

Top Ten style checks for PhDs or creative non-fiction writers (no date). Available at: 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.

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

Visionlearning | Process of Science | Data Analysis and Interpretation (no date). Available at:

http://www.visionlearning.com/en/library/Process-of-Science/49/Data-Analysis-and-Interpretation/154.

Visionlearning | Process of Science | Scientific Ethics (no date). Available at: http://www.visionlearning.com/en/library/Process-of-Science/49/Scientific-Ethics/161.

Visionlearning | Process of Science | Using Graphs and Visual Data in Science (no date). Available at:

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

Watts, S. and Halliwell, L. (1996a) 'Ecological fieldwork methods (Essential environmental science: methods & techniques: Ch 8)', in Essential Environmental Science: Methods & Techniques. London: Routledge. Available at:

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

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

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

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

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

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

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

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