

Research and Field Skills

View Online



Active vs. Passive Voice in Scientific Writing. (n.d.).

<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). Blackwell.

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

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

Bagan, H., & Yamagata, Y. (2012). Landsat analysis of urban growth: How Tokyo became the world's largest megacity during the last 40 years. *Remote Sensing of Environment*, 127, 210-222. <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*. Harvard Business Review Press.

Bradford, M. (2016). Writing essays, reports and dissertations (Key methods in geography: Ch 31). In N. J. Clifford, M. Cope, T. Gillespie, & S. French (Eds.), *Key methods in geography* (Third edition). SAGE. <https://app.talis.com/textbooks/9781473908970>

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

Brown, L. J., Lamhonwah, D., & 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), 369-381. <https://doi.org/10.1111/cag.12197>

Comber, A., Brunsdon, C., & 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), 103-114. <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 University Press. <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 University Press.

<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 University Press. <https://ebookcentral.proquest.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 University Press. <https://ebookcentral.proquest.com/lib/uea/detail.action?docID=581580>

Effective Writing | Learn Science at Scitable. (n.d.). <https://www.nature.com/scitable/topicpage/effective-writing-13815989>

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

Field, R. (2016). Data handling & presentation (Key methods in geography: Ch 21). In N. J. Clifford, M. Cope, T. Gillespie, & S. French (Eds.), Key methods in geography (Third edition). SAGE. <https://app.talis.com/textbooks/9781473908970>

Funtowicz, S. O., & Ravetz, J. R. (1993). Science for the post-normal age. *Futures*, 25(7), 739–755. [https://doi.org/10.1016/0016-3287\(93\)90022-L](https://doi.org/10.1016/0016-3287(93)90022-L)

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

Greetham, B. (2018). How to write better essays (Fourth edition). Macmillan Education. <https://ebookcentral.proquest.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 (pp. c1–c16). John Wiley. <https://doi.org/10.1002/9780470689813.ins>

How Science Changes - The Atlantic. (n.d.). <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 University Press.

Improving your graph: a case study. (n.d.). <http://baryon.be/blog/2016/08/improving-your-graph-a-case-study/>

Jensen, J. R., & Jensen, R. R. (2013a). Georeferencing (Introductory geographic information systems: Ch 2). In Introductory geographic information systems: Vol. Pearson series in geographic information science (International ed). Pearson.

Jensen, J. R., & Jensen, R. R. (2013b). Introduction to GIS (Introductory geographic information systems: Ch 1). In Introductory geographic information systems: Vol. Pearson series in geographic information science (International ed). Pearson.

Jensen, J. R., & Jensen, R. R. (2013c). Spatial data models and databases (Introductory

geographic information systems: Ch 5). In *Introductory geographic information systems: Vol. Pearson series in geographic information science* (International ed). Pearson.

Jones, C. (Kate) E. (2010). *Cartographic Theory and Principles*. In *Interacting with geospatial technologies* (pp. 37–65). John Wiley.
<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). John Wiley & Sons.
<https://ebookcentral.proquest.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). John Wiley & Sons.
<https://ebookcentral.proquest.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). Hodder Education.
<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). Hodder Education.
<https://ebookcentral.proquest.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). Hodder Education.
<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=712854>

Leedy, P. D., & Ormrod, J. E. (2015a). *Planning your research project* (Practical research: planning and design: Ch 5). In *Practical research: planning and design* (Eleventh edition). Pearson. <https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036>

Leedy, P. D., & Ormrod, J. E. (2015b). *Planning your research project* (Practical research: planning and design: Ch 5). In *Practical research: planning and design* (11th ed). Prentice Hall. <https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036>

Leedy, P. D., & Ormrod, J. E. (2015c). *Preparing the research report* (Practical research: planning and design: Ch 12). In *Practical research: planning and design* (Eleventh edition). Pearson. <https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036>

Leedy, P. D., & 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). Pearson.
<https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036>

Leedy, P. D., & Ormrod, J. E. (2015e). *What is research?* (Practical research: planning and

design: Ch 1). In *Practical research: planning and design* (11th ed). Pearson.
<https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=887036>

Lesson 3: Scientific Writing - Concision and Simplicity (Duke University). (n.d.).
<https://cgi.duke.edu/web/sciwriting/index.php?action=lesson3>

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

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

Longley, P., Goodchild, M. F., & Maguire, D. J. (2015b). Georeferencing: (Geographic information science & systems: Ch 4). In *Geographic information science & systems* (Fourth edition). Wiley.
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., & Maguire, D. J. (2015c). Representing geography (Geographic information science & systems: Ch 3). In *Geographic information science & systems* (Fourth edition). Wiley.
https://app.knovel.com/web/toc.v/cid:kpGISSE001/viewerType:toc//root_slug:geographic-information-science?kpromoter=marc

Lovett, A. A., Parfitt, J. P., & Brainard, J. S. (1997). Using GIS in Risk Analysis: A Case Study of Hazardous Waste Transport. *Risk Analysis*, 17(5), 625–633.
<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 University Press.
<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 University Press.
<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 University Press.
<https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=297821>

McLafferty, S. L. (2016). Conducting Questionnaire Surveys (Key methods in geography: Ch 6). In N. J. Clifford, M. Cope, T. Gillespie, & S. French (Eds.), *Key methods in geography* (Third edition). SAGE. <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). 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). University of Chicago Press.

Oliver, P. (2010). *The student's guide to research ethics* (2nd ed). Open University Press.
<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). Pearson/Prentice-Hall.
<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=1461044>

Resnik, D. B. (n.d.). What is Ethics in Research and Why is it Important? [US] National Institute of Environmental Health Sciences.
<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). SAGE. <https://app.talis.com/textbooks/9781473908970>

Risk Assessment | STEM. (n.d.). <https://www.stem.org.uk/elibrary/resource/31202>

Risk assessments (Royal Geographical Society guidance). (n.d.).
<https://www.rgs.org/in-the-field/fieldwork-in-schools/fieldwork-safety-and-planning/risk-assessments/>

Scientific Writing Resource - Duke University. (n.d.).
https://cgi.duke.edu/web/sciwriting/index.php?action=passive_voice

Shields, M. (2010). *Essay writing: a student's guide: Vol. SAGE study skills*. SAGE.
<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=743723>

Stuart Firestein: The pursuit of ignorance | TED Talk | TED.com. (n.d.).
https://www.ted.com/talks/stuart_firestein_the_pursuit_of_ignorance

Style Points for Scientific Writing (University of Connecticut Writing Center). (n.d.).
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.
<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=268225>

The most commonly misused words and phrases in scientific writing | Adams Kaul. (n.d.).
<https://adamskaul.wordpress.com/2014/05/12/201452the-most-commonly-misused-words-and-phrases-in-scientific-writing/>

Thornton, L. E., Pearce, J. R., Macdonald, L., Lamb, K. E., & Ellaway, A. (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). <https://doi.org/10.1186/1476-072X-11-29>

Top Ten style checks for PhDs or creative non-fiction writers. (n.d.).
<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#.ymib5szu>

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

Visionlearning | Process of Science | Data Analysis and Interpretation. (n.d.).
<http://www.visionlearning.com/en/library/Process-of-Science/49/Data-Analysis-and-Interpretation/154>

Visionlearning | Process of Science | Scientific Ethics. (n.d.).
<http://www.visionlearning.com/en/library/Process-of-Science/49/Scientific-Ethics/161>

Visionlearning | Process of Science | Using Graphs and Visual Data in Science. (n.d.).
<http://www.visionlearning.com/en/library/Process-of-Science/49/Using-Graphs-and-Visual-Data-in-Science/156>

Watts, S., & Halliwell, L. (1996a). Ecological fieldwork methods (Essential environmental science: methods & techniques: Ch 8). In Essential Environmental Science: Methods & Techniques. Routledge.
<https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=9894>

Watts, S., & Halliwell, L. (1996b). Sampling (Essential environmental science: methods & techniques: Ch. 2). In Essential environmental science: methods & techniques. Routledge.
<https://ebookcentral.proquest.com/lib/uea/detail.action?docID=179639>

Watts, S., & Halliwell, L. (1996c). Social surveys (Essential environmental science: methods & techniques: Ch 9). In Essential environmental science: methods & techniques. Routledge. <https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=9894>

Watts, S., & Halliwell, L. (1996d). The Good Scientist (Essential environmental science: methods & techniques: Ch. 1). In Essential environmental science: methods & techniques. Routledge. <https://ebookcentral.proquest.com/lib/uea/detail.action?milDocID=9894>

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