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Agar, M. 'My Kingdom for a Function: Modeling Misadventures of the Innumerate'. *Journal of Artificial Societies and Social Simulation* 6, no. 3 (2003).

<http://jasss.soc.surrey.ac.uk/6/3/8.html>.

Ahmed, Moinuddin, and John Ogden. 'Population Dynamics of the Emergent Conifer(D. Don) Lindl. (Kauri) in New Zealand I. Population Structures and Tree Growth Rates in Mature Stands'. *New Zealand Journal of Botany* 25, no. 2 (1987): 217–29.

<https://doi.org/10.1080/0028825X.1987.10410068>.

Ashton, Andrew D., and A. Brad Murray. 'High-Angle Wave Instability and Emergent Shoreline Shapes: 1. Modeling of Sand Waves, Flying Spits, and Capes'. *Journal of Geophysical Research* 111, no. F4 (2006). <https://doi.org/10.1029/2005JF000422>.

Ashton, Andrew, A. Brad Murray, and Olivier Arnault. 'Formation of Coastline Features by Large-Scale Instabilities Induced by High-Angle Waves'. *Nature* 414, no. 6861 (2001): 296–300. <https://doi.org/10.1038/35104541>.

B. T. Werner. 'Eolian Dunes: Computer Simulations and Attractor Interpretation'. *Geology* 23, no. 12 (1995): 1107–10. <https://doi.org/10.1130/0091-7613>.

'Banded Vegetation: Development under Uniform Rainfall from a Simple Cellular Automaton Model', n.d.

<http://link.springer.com.ezproxy.auckland.ac.nz/article/10.1023/A:1009725732740>.

Beck, M. B. 'Water Quality Modeling: A Review of the Analysis of Uncertainty'. *Water Resources Research* 23, no. 8 (1987): 1393–1442.

<https://doi.org/10.1029/WR023i008p01393>.

Bock, R. K., and Werner Krischer. *The Data Analysis BriefBook*. Electronic resource. Vol. Accelerator Physics. Berlin, Heidelberg: Springer Berlin Heidelberg, 1998.

<http://dx.doi.org/10.1007/978-3-662-03725-6>.

Botkin, Daniel B. *Forest Dynamics: An Ecological Model*. Electronic resource. Oxford: Oxford University Press, 1993.

<https://ebookcentral.proquest.com/lib/auckland/detail.action?docID=3051918>.

Botsford, L. W. 'The Management of Fisheries and Marine Ecosystems'. *Science* 277, no. 5325 (25 July 1997): 509–15. <https://doi.org/10.1126/science.277.5325.509>.

Bracken, Louise J, and John Wainwright. 'Geomorphological Equilibrium: Myth and Metaphor?' *Transactions of the Institute of British Geographers* 31, no. 2 (1 June 2006):

167-78. <https://doi.org/10.1111/j.1475-5661.2006.00204.x>.

Breckling, Broder, Fred Jopp, and Hauke Reuter. 'System Analysis and Context Assessment'. Electronic resource. In *Modelling Complex Ecological Dynamics*, 43-54. Berlin: Springer, 2010. https://doi.org/10.1007/978-3-642-05029-9_4.

Castella, Jean-Christophe, Tran Ngoc Trung, and Stanislas Boissau. 'Ecology and Society: Participatory Simulation of Land-Use Changes in the Northern Mountains of Vietnam: The Combined Use of an Agent-Based Model, a Role-Playing Game, and a Geographic Information System'. *Ecology and Society* 10, no. 1 (2005). <http://www.ecologyandsociety.org/vol10/iss1/art27/>.

Castree, Noel, Alisdair Rogers, and Douglas Joel Sherman. *Questioning Geography: Fundamental Debates*. Malden, MA: Blackwell Pub, 2005. <https://ebookcentral.proquest.com/lib/auckland/detail.action?docID=243571>.

Castree, Noel, Alisdair Rogers, Douglas Joel Sherman, and Ebooks Corporation. 'Models, Modelling, and Geography'. Electronic resource. In *Questioning Geography: Fundamental Debates*. Malden, MA: Blackwell Pub, 2005. <http://auckland.ebib.com.ezproxy.auckland.ac.nz/patron/Read.aspx?p=243571&pg=220>.

Chorley, Richard J., and Barbara A. Kennedy. *Physical Geography: A Systems Approach*. London: Prentice-Hall, 1971.

Coco, Giovanni, and A. Brad Murray. 'Patterns in the Sand: From Forcing Templates to Self-Organization'. *Geomorphology* 91, no. 3-4 (2007): 271-90. <https://doi.org/10.1016/j.geomorph.2007.04.023>.

Coe, M. J., D. H. Cumming, and J. Phillipson. 'Biomass and Production of Large African Herbivores in Relation to Rainfall and Primary Production'. *Oecologia* 22, no. 4 (1976): 341-54. <https://doi.org/10.1007/BF00345312>.

Dawson, R. J., M. E. Dickson, R. J. Nicholls, J. W. Hall, M. J. A. Walkden, P. K. Stansby, M. Mokrech, et al. 'Integrated Analysis of Risks of Coastal Flooding and Cliff Erosion under Scenarios of Long Term Change'. *Climatic Change* 95, no. 1-2 (2009): 249-88. <https://doi.org/10.1007/s10584-008-9532-8>.

DeAngelis, D.L., and W.M. Mooji. 'In Praise of Mechanistically Rich Models'. In *Models in Ecosystem Science*, edited by Charles Draper William Canham, Jonathan Cole, and William K. Lauenroth, 63-83. Princeton, N.J.: Princeton University Press, 2003.

Diamond, Jared M. 'Archaeology: Life with the Artificial Anasazi'. *Nature* 419, no. 6907 (2002): 567-69. <https://doi.org/10.1038/419567a>.

Dickson, Mark E., Mike J. A. Walkden, and Jim W. Hall. 'Systemic Impacts of Climate Change on an Eroding Coastal Region over the Twenty-First Century'. *Climatic Change* 84, no. 2 (2007): 141-66. <https://doi.org/10.1007/s10584-006-9200-9>.

Donovan, Therese M., and Charles Woodson Welden. *Spreadsheet Exercises in Conservation Biology and Landscape Ecology*. Sunderland, Mass: Sinauer Associates, 2002.

- Drechsler, Martin. 'Sensitivity Analysis of Complex Models'. *Biological Conservation* 86, no. 3 (1998): 401–12. [https://doi.org/10.1016/S0006-3207\(98\)00021-4](https://doi.org/10.1016/S0006-3207(98)00021-4).
- Easton, V.J., and J.H. McColl. *Statistics Glossary*, 2000. <http://www.stats.gla.ac.uk/steps/glossary/index.html>.
- Edward N. Lorenz. 'Deterministic Nonperiodic Flow'. *Journal of Atmospheric Science* 20 (1963): 130–41. <https://doi.org/10.1175/1520-0469>.
- Epstein, Joshua M. 'Why Model?' *Journal of Artificial Societies and Social Simulation* 11, no. 4 (2008). <http://jasss.soc.surrey.ac.uk/11/4/12.html>.
- F. Jeltsch, M. S. Muller, V. Grimm, C. Wissel and R. Brandl. 'Pattern Formation Triggered by Rare Events: Lessons from the Spread of Rabies'. *Proceedings: Biological Sciences* 264, no. 1381 (1997): 495–503. <http://www.jstor.org.ezproxy.auckland.ac.nz/stable/50537>.
- George L. W. Perry. 'Modelling and Simulation'. In *A Companion to Environmental Geography*. Chichester, U.K.: Wiley-Blackwell, 2009. <https://onlinelibrary.wiley.com/doi/10.1002/9781444305722.ch20>.
- Gillman, Michael. 'Population Dynamics: Introduction'. Electronic resource. In *Encyclopedia of Life Sciences*, Vol. Facts on File science library. New York: Facts On File, 2009. <https://doi.org/10.1038/npg.els.0003164>.
- Gotelli, Nicholas J. *A Primer of Ecology*. 4th ed. Sunderland, MA: Sinauer Associates, 2008.
- Gotelli, Nicholas J., and Aaron M. Ellison. 'A Primer of Ecological Statistics'. In *A Primer of Ecological Statistics*. Sunderland, Mass: Sinauer Associates Publishers, 2004.
- H. Charles Romesburg. 'Wildlife Science: Gaining Reliable Knowledge'. *The Journal of Wildlife Management* 45, no. 2 (1981): 293–313. <http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3807913>.
- Haefner, James W. and SpringerLink (Online service). *Modeling Biological Systems: Principles and Applications*. Electronic resource. 2nd ed. New York: Springer, 2005. <http://dx.doi.org/10.1007/b106568>.
- Hardisty, J., D. M. Taylor, and S. E. Metcalfe. *Computerised Environmental Modelling: A Practical Introduction Using Excel*. Chichester, West Sussex, England: J. Wiley & Sons, 1993.
- Hatamian, Tim S. 'Mathematical Fortune-Telling'. *Complexity* 6, no. 5 (2001): 27–40. <https://doi.org/10.1002/cplx.1049>.
- Heino, Mikko, and Katja Enberg. 'Sustainable Use of Populations and Overexploitation'. Electronic resource. In *Encyclopedia of Life Sciences*, Vol. Facts on File science library. New York: Facts On File, 2009. <https://doi.org/10.1002/9780470015902.a0020476>.
- Helen M. Regan, Mark Colyvan and Mark A. Burgman. 'A Taxonomy and Treatment of Uncertainty for Ecology and Conservation Biology'. *Ecological Applications* 12, no. 2 (2002): 618–28. <http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3060967>.

Hilborn, Ray, and Marc Mangel. *The Ecological Detective: Confronting Models with Data*. Electronic resource. Vol. Monographs in population biology. Princeton, N.J.: Princeton University Press, 1997.
<https://ebookcentral.proquest.com/lib/auckland/detail.action?docID=1113396>.

Howard, A. D. 'Geomorphological Systems; Equilibrium and Dynamics'. *American Journal of Science* 263, no. 4 (1 April 1965): 302–12. <https://doi.org/10.2475/ajs.263.4.302>.

Jeffrey S. Dean, Robert C. Euler, George J. Gumerman, Fred Plog, Richard H. Hevly and Thor N. V. Karlstrom. 'Human Behavior, Demography, and Paleoenvironment on the Colorado Plateaus'. *American Antiquity* 50, no. 3 (1985): 537–54.
http://www.jstor.org.ezproxy.auckland.ac.nz/stable/280320?sid=primo&origin=crossref&seq=1#page_scan_tab_contents.

Joel P. W. Pitt, Sue P. Worner and Andrew V. Suarez. 'Predicting Argentine Ant Spread over the Heterogeneous Landscape Using a Spatially Explicit Stochastic Model'. *Ecological Applications* 19, no. 5 (2009): 1176–86. <https://www.jstor.org/stable/40347260>.

John R. Platt. 'Strong Inference'. *Science* 146, no. 3642 (1964): 347–53.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/1714268>.

John W. Fitzpatrick, Martjan Lammertink, M. David Luneau Jr., Tim W. Gallagher, Bobby R. Harrison, Gene M. Sparling, Kenneth V. Rosenberg, Ronald W. Rohrbaugh, Elliott C. H. Swarthout, Peter H. Wrege, Sara Barker Swarthout, Marc S. Dantzker, Russell A. Charif, Timothy R. Barksdale, J. V. Remsen Jr., Scott D. Simon and Douglas Zollner. 'Ivory-Billed Woodpecker (*Campephilus Principalis*) Persists in Continental North America'. *Science* 308, no. 5727 (2005): 1460–62. <https://www.science.org/doi/10.1126/science.1114103>.

Lane, D.M. *HyperStat Online: An Introductory Statistics Textbook and Discussion of Whether Most Published Research Is False*, 2003. <http://davidmlane.com/hyperstat/>.

Laurance, William F., and G. Bruce Williamson. 'Positive Feedbacks among Forest Fragmentation, Drought, and Climate Change in the Amazon'. *Conservation Biology* 15, no. 6 (2001): 1529–35. <https://doi.org/10.1046/j.1523-1739.2001.01093.x>.

Lazar, Nicole. 'Ockham's Razor'. *Wiley Interdisciplinary Reviews: Computational Statistics* 2, no. 2 (2010): 243–46. <https://doi.org/10.1002/wics.75>.

Lenton, Timothy M., and Hywel T.P. Williams. 'On the Origin of Planetary-Scale Tipping Points'. *Trends in Ecology & Evolution* 28, no. 7 (2013): 380–82.
<https://doi.org/10.1016/j.tree.2013.06.001>.

Levin, S. A. 'Mathematical and Computational Challenges in Population Biology and Ecosystems Science'. *Science* 275, no. 5298 (1997): 334–43.
<https://doi.org/10.1126/science.275.5298.334>.

Lowry, R. *Inferential Statistics*, 2003. <http://vassarstats.net/textbook/>.

Maanen, B. van, G. Coco, and K.R. Bryan. 'On the Ecogeomorphological Feedbacks That Control Tidal Channel Network Evolution in a Sandy Mangrove Setting'. In *Proceedings of the Royal Society A*, Vol. 471, 2015.
<https://royalsocietypublishing.org/doi/pdf/10.1098/rspa.2015.0115>.

- Maanen, Barend van, Giovanni Coco, Karin R. Bryan, and Carl T. Friedrichs. 'Modeling the Morphodynamic Response of Tidal Embayments to Sea-Level Rise'. *Ocean Dynamics* 63, no. 11–12 (2013): 1249–62. <https://doi.org/10.1007/s10236-013-0649-6>.
- Marten, Gerald. 'Environmental Tipping Points: A New Paradigm for Restoring Ecological Security'. *Journal of Policy Studies (Japan)* 20 (2005): 75–87. <http://www.ecotippingpoints.org/resources/publication-journal-of-policy-studies.html>.
- Mayer, D.G., and D.G. Butler. 'Statistical Validation'. *Ecological Modelling* 68, no. 1–2 (1993): 21–32. [https://doi.org/10.1016/0304-3800\(93\)90105-2](https://doi.org/10.1016/0304-3800(93)90105-2).
- McNamara, D. E., and B. T. Werner. 'Coupled Barrier Island–Resort Model: 1. Emergent Instabilities Induced by Strong Human-Landscape Interactions'. *Journal of Geophysical Research* 113, no. F1 (2008). <https://doi.org/10.1029/2007JF000840>.
- Millington, James, Raul Romero-Calcerrada, John Wrainwright, and George Perry. 'An Agent-Based Model of Mediterranean Agricultural Land-Use/Cover Change for Examining Wildfire Risk'. *Journal of Artificial Societies and Social Simulation* 11, no. 4 (2008). <http://jasss.soc.surrey.ac.uk/11/4/4.html>.
- Müller, Peter. 'Constructing Climate Knowledge with Computer Models'. *Wiley Interdisciplinary Reviews: Climate Change* 1, no. 4 (2010): 565–80. <https://doi.org/10.1002/wcc.60>.
- Mulligan, M., and J. Wainwright. 'Modelling and Model Building'. eBook. In *Environmental Modelling*, edited by J. Wainwright and M. Mulligan, 7–68. New York: John Wiley & Sons, Ltd., 2005. <http://site.ebrary.com.ezproxy.auckland.ac.nz/lib/auckland/reader.action?ppg=27&cid=10650971&tm=1453163605208>.
- Murphy, Brett P., and David M.J.S. Bowman. 'What Controls the Distribution of Tropical Forest and Savanna?' *Ecology Letters* 15, no. 7 (2012): 748–58. <https://doi.org/10.1111/j.1461-0248.2012.01771.x>.
- Murray, A. Brad, Giovanni Coco, and Evan B. Goldstein. 'Cause and Effect in Geomorphic Systems: Complex Systems Perspectives'. *Geomorphology* 214 (2014): 1–9. <https://doi.org/10.1016/j.geomorph.2014.03.001>.
- Murray, A.B. 'Contrasting the Goals, Strategies, and Predictions Associated with Simplified Numerical Models and Detailed Simulations'. In *Prediction in Geomorphology*, edited by Peter R. Wilcock and Richard Matthew Iverson, 151–65. Washington, D.C.: American Geophysical Union, 2003. <http://onlinelibrary.wiley.com.ezproxy.auckland.ac.nz/doi/10.1029/135GM11/summary>.
- Naomi Oreskes, Kristin Shrader-Frechette and Kenneth Belitz. 'Verification, Validation, and Confirmation of Numerical Models in the Earth Sciences'. *Science* 263, no. 5147 (1994): 641–46. <http://www.jstor.org.ezproxy.auckland.ac.nz/stable/2883078>.
- Oreskes, N. 'The Role of Quantitative Models in Science'. In *Models in Ecosystem Science*, edited by Charles Draper William Canham, Jonathan Cole, and William K. Lauenroth, 14–31. Princeton, N.J.: Princeton University Press, 2003.

O'Sullivan, David, and George L. W. Perry. *Spatial Simulation: Exploring Pattern and Process*. Chichester, West Sussex, U.K.: Wiley-Blackwell, 2013.
<http://dx.doi.org/10.1002/9781118527085>.

Pauly, Daniel, Villy Christensen, Sylvie Gu  nette, Tony J. Pitcher, U. Rashid Sumaila, Carl J. Walters, R. Watson, and Dirk Zeller. 'Towards Sustainability in World Fisheries'. *Nature* 418, no. 6898 (8 August 2002): 689–95. <https://doi.org/10.1038/nature01017>.

Pidgeon, Nick, and Baruch Fischhoff. 'The Role of Social and Decision Sciences in Communicating Uncertain Climate Risks'. *Nature Climate Change* 1, no. 1 (2011): 35–41. <https://doi.org/10.1038/nclimate1080>.

Quarteroni, A. 'Mathematical Models in Science and Engineering'. *Notices of the AMS* 56, no. 1 (2009): 10–19. <https://www.ams.org/notices/200901/tx090100010p.pdf>.

Quinn, G. P., and Michael J. Keough. *Experimental Design and Data Analysis for Biologists*. Cambridge, UK: Cambridge University Press, 2002.

R. F. Costantino, R. A. Desharnais, J. M. Cushing and Brian Dennis. 'Chaotic Dynamics in an Insect Population'. *Science* 275, no. 5298 (1997): 389–91.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/2891006>.

Ran Nathan, Uriel N. Safriel and Imanuel Noy-Meir. 'Field Validation and Sensitivity Analysis of a Mechanistic Model for Tree Seed Dispersal by Wind'. *Ecology* 82, no. 2 (2001): 374–88. <https://www.jstor.org/stable/2679866>.

Richardson, K.A. 'On the Limits of Bottom-up Computer Simulation: Towards a Nonlinear Modeling Culture'. In *36th Annual Hawaii International Conference on System Sciences*, 2003. *Proceedings of The. IEEE*, 2003. <https://doi.org/10.1109/HICSS.2003.1174227>.

Robert L. Axtell, Joshua M. Epstein, Jeffrey S. Dean, George J. Gumerman, Alan C. Swedlund, Jason Harburger, Shubha Chakravarty, Ross Hammond, Jon Parker and Miles Parker. 'Population Growth and Collapse in a Multiagent Model of the Kayenta Anasazi in Long House Valley'. *Proceedings of the National Academy of Sciences of the United States of America* 99, no. 10 (2002): 7275–79.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3057853>.

Rowntree, Derek. *Statistics without Tears: A Primer for Non-Mathematicians*. Classic ed. Vol. Allyn and Bacon classics. Boston: Allyn and Bacon, 2004.

Ruckelshaus, Mary, Cynthia Hartway, and Peter Kareiva. 'Assessing the Data Requirements of Spatially Explicit Dispersal Models'. *Conservation Biology* 11, no. 6 (1997): 1298–1306. <https://doi.org/10.1046/j.1523-1739.1997.96151.x>.

SCHNEIDER, DAVID C. 'The Rise of the Concept of Scale in Ecology'. *BioScience* 51, no. 7 (2001). [https://doi.org/10.1641/0006-3568\(2001\)051\[0545:TROTCO\]2.0.CO;2](https://doi.org/10.1641/0006-3568(2001)051[0545:TROTCO]2.0.CO;2).

Schw  mmle, Veit, and Hans J. Herrmann. 'Geomorphology: Solitary Wave Behaviour of Sand Dunes'. *Nature* 426, no. 6967 (2003): 619–20. <https://doi.org/10.1038/426619a>.

Sibley, D. A. 'Comment on "Ivory-Billed Woodpecker (*Campephilus Principalis*) Persists in Continental North America"'. *Science* 311, no. 5767 (2006): 1555a–1555a.

<https://doi.org/10.1126/science.1122778>.

Smith, E. 'Uncertainty Analysis'. In *Encyclopedia of Environmetrics*. Chichester: Wiley, 2002.

Sokal, Robert R., and F. James Rohlf. *Biometry: The Principles and Practice of Statistics in Biological Research*. 3rd ed. New York: Freeman, 1995.

Spiegelhalter, D., M. Pearson, and I. Short. 'Visualizing Uncertainty About the Future'. *Science* 333, no. 6048 (2011): 1393–1400. <https://doi.org/10.1126/science.1191181>.

StatSoft. *Electronic Statistics Textbook*, 2013.
<https://statisticasoftware.wordpress.com/2012/04/12/electronic-statistics-textbook/>.

Stefanon, Luana, Luca Carniello, Andrea D'Alpaos, and Andrea Rinaldo. 'Signatures of Sea Level Changes on Tidal Geomorphology: Experiments on Network Incision and Retreat'. *Geophysical Research Letters* 39, no. 12 (2012). <https://doi.org/10.1029/2012GL051953>.

Sterman, John D. 'Learning In and About Complex Systems.' *Reflections* 1, no. 3 (2000): 24–51. <https://onlinelibrary.wiley.com/doi/abs/10.1002/sdr.4260100214>.

Stockdon, Hilary F., Rob A. Holman, Peter A. Howd, and Asbury H. Sallenger. 'Empirical Parameterization of Setup, Swash, and Runup'. *Coastal Engineering* 53, no. 7 (2006): 573–88. <https://doi.org/10.1016/j.coastaleng.2005.12.005>.

Svoray, T., and R. Nathan. 'Spatially and Temporally Realistic and Dynamic Modelling for Effects of Water, Temperature and Light on Tree Population Spread'. *Proceedings of the 7th International Conference on GeoComputation*. Southampton U.K.: GeoComputation, 2003.
https://web.archive.org/web/20220120044142/http://www.geocomputation.org/2003/Papers/Svoray_Paper.pdf.

'The Method of Multiple Working Hypotheses'. *Science* 15, no. 366 (1890): 92–96.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/1764336>.

Thompson, N.S., and P. Derr. 'Contra Epstein, Good Explanations Predict'. *Journal of Artificial Societies and Social Simulation* 12, no. 9 (2009).
<http://jasss.soc.surrey.ac.uk/12/1/9.html>.

Thorsten Wiegand, Florian Jeltsch, Ilkka Hanski and Volker Grimm. 'Using Pattern-Oriented Modeling for Revealing Hidden Information: A Key for Reconciling Ecological Theory and Application'. *Oikos* 100, no. 2 (2003): 209–22.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3548178>.

Turner, Monica Goigel, R. H. Gardner, and R. V. O'Neill. *Landscape Ecology in Theory and Practice: Pattern and Process*. New York: Springer, 2001.
<https://link.springer.com/book/10.1007%2Fb97434>.

Venette, Robert. C., Kriticos, Darren J. Magarey, Roger D. Koch, Frank H. Baker, Richard H. A. 'Pest Risk Maps for Invasive Alien Species: A Roadmap for Improvement'. *Bioscience*, no. 5 (n.d.): 349–62.
<https://link.gale.com/apps/doc/A226474370/BIC?u=learn&sid=summon&xid=e2>

365909.

Volker Grimm, Eloy Revilla, Uta Berger, Florian Jeltsch, Wolf M. Mooij, Steven F. Railsback, Hans-Hermann Thulke, Jacob Weiner, Thorsten Wiegand and Donald L. DeAngelis. 'Pattern-Oriented Modeling of Agent-Based Complex Systems: Lessons from Ecology'. *Science* 310, no. 5750 (2005): 987–91.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3842807>.

———. 'Pattern-Oriented Modeling of Agent-Based Complex Systems: Lessons from Ecology'. *Science* 310, no. 5750 (2005): 987–91.
<http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3842807>.

Walker, W.E., P. Harremoes, J. Rotmans, J.P. Van Der Sluijs, M.B.A. Van Asselt, P. Janssen, and M.P. Krayen von Krauss. 'Defining Uncertainty: A Conceptual Basis for Uncertainty Management in Model-Based Decision Support'. *Integrated Assessment* 4, no. 1 (2003): 5–17.
http://journals.sfu.ca.ezproxy.auckland.ac.nz/int_assess/index.php/iaj/article/view/122/79.

———. 'Defining Uncertainty: A Conceptual Basis for Uncertainty Management in Model-Based Decision Support'. *Integrated Assessment* 4, no. 1 (2003): 5–17.
http://journals.sfu.ca.ezproxy.auckland.ac.nz/int_assess/index.php/iaj/article/view/122/79.

Winsberg, Eric. 'Computer Simulation and the Philosophy of Science'. *Philosophy Compass* 4, no. 5 (2009): 835–45. <https://doi.org/10.1111/j.1747-9991.2009.00236.x>.

Worm, B., R. Hilborn, J. K. Baum, T. A. Branch, J. S. Collie, C. Costello, M. J. Fogarty, et al. 'Rebuilding Global Fisheries'. *Science* 325, no. 5940 (31 July 2009): 578–85.
<https://doi.org/10.1126/science.1173146>.

Zhou, Zeng, Maitane Olabarrieta, Luana Stefanon, Andrea D'Alpaos, Luca Carniello, and Giovanni Coco. 'A Comparative Study of Physical and Numerical Modeling of Tidal Network Ontogeny'. *Journal of Geophysical Research: Earth Surface* 119, no. 4 (2014): 892–912.
<https://doi.org/10.1002/2014JF003092>.

Zuur, Alain F., Elena N. Ieno, and Chris S. Elphick. 'A Protocol for Data Exploration to Avoid Common Statistical Problems'. *Methods in Ecology and Evolution* 1, no. 1 (2010): 3–14.
<https://doi.org/10.1111/j.2041-210X.2009.00001.x>.

Zuur, Alain F., Elena N. Ieno, and Graham M. Smith. *Analysing Ecological Data*. Vol. Statistics for biology and health. New York: Springer, 2007.
<https://link.springer.com/book/10.1007%2F978-0-387-45972-1>.