

ENVSCI203

[View Online](#)

@article{Agar_2003, title={My Kingdom for a Function: Modeling Misadventures of the Innumerate}, volume={6}, url={http://jasss.soc.surrey.ac.uk/6/3/8.html}, number={3}, journal={Journal of Artificial Societies and Social Simulation}, publisher={JASSS}, author={Agar, M.}, year={2003} }

@article{Ahmed_Ogden_1987, title={Population dynamics of the emergent conifer(D. Don) Lindl. (Kauri) in New Zealand I. Population structures and tree growth rates in mature stands}, volume={25}, url={https://www.tandfonline.com/doi/abs/10.1080/0028825X.1987.10410068}, DOI={10.1080/0028825X.1987.10410068}, number={2}, journal={New Zealand Journal of Botany}, author={Ahmed, Moinuddin and Ogden, John}, year={1987}, pages={217-229} }

@article{Ashton_Murray_Arnault_2001, title={Formation of coastline features by large-scale instabilities induced by high-angle waves}, volume={414}, DOI={10.1038/35104541}, number={6861}, journal={Nature}, author={Ashton, Andrew and Murray, A. Brad and Arnault, Olivier}, year={2001}, pages={296-300} }

@article{Ashton_Murray_2006, title={High-angle wave instability and emergent shoreline shapes: 1. Modeling of sand waves, flying spits, and capes}, volume={111}, DOI={10.1029/2005JF000422}, number={F4}, journal={Journal of Geophysical Research}, author={Ashton, Andrew D. and Murray, A. Brad}, year={2006} }

@article{B. T. Werner_1995, title={Eolian dunes: Computer simulations and attractor interpretation}, volume={23}, url={http://geology.geoscienceworld.org.ezproxy.auckland.ac.nz/content/23/12/1107.full.pdf+html}, DOI={10.1130/0091-7613}, number={12}, journal={Geology}, publisher={Geological Society of America}, author={B. T. Werner}, year={1995}, pages={1107-1110} }

@article{Beck_1987, title={Water quality modeling: A review of the analysis of uncertainty}, volume={23}, url={https://agupubs.onlinelibrary.wiley.com/doi/10.1029/WR023i008p01393}, DOI={10.1029/WR023i008p01393}, number={8}, journal={Water Resources Research}, author={Beck, M. B.}, year={1987}, pages={1393-1442} }

@book{Bock_Krischer_1998, address={Berlin, Heidelberg}, title={The Data Analysis BriefBook}, volume={Accelerator Physics}, url={http://dx.doi.org/10.1007/978-3-662-03725-6}, publisher={Springer Berlin Heidelberg}, author={Bock, R. K. and Krischer, Werner}, year={1998} }

@book{Botkin_1993, address={Oxford}, title={Forest dynamics: an ecological model}, url={<https://ebookcentral.proquest.com/lib/auckland/detail.action?docID=3051918>}, publisher={Oxford University Press}, author={Botkin, Daniel B.}, year={1993} }

@article{Botsford_1997, title={The Management of Fisheries and Marine Ecosystems}, volume={277}, DOI={10.1126/science.277.5325.509}, number={5325}, journal={Science}, author={Botsford, L. W.}, year={1997}, month={Jul}, pages={509-515} }

@article{Bracken_Wainwright_2006, title={Geomorphological equilibrium: myth and metaphor?}, volume={31}, DOI={10.1111/j.1475-5661.2006.00204.x}, number={2}, journal={Transactions of the Institute of British Geographers}, author={Bracken, Louise J and Wainwright, John}, year={2006}, month={Jun}, pages={167-178} }

@inbook{Breckling_Jopp_Reuter_2010, address={Berlin}, title={System Analysis and Context Assessment}, url={http://link.springer.com/10.1007/978-3-642-05029-9_4}, DOI={10.1007/978-3-642-05029-9_4}, booktitle={Modelling complex ecological dynamics}, publisher={Springer}, author={Breckling, Broder and Jopp, Fred and Reuter, Hauke}, year={2010}, pages={43-54} }

@article{Castella_Trung_Boissau_2005, title={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}, volume={10}, url={<http://www.ecologyandsociety.org/vol10/iss1/art27/>}, number={1}, journal={Ecology and Society}, author={Castella, Jean-Christophe and Trung, Tran Ngoc and Boissau, Stanislas}, year={2005} }

@book{Castree_Rogers_Sherman_2005, address={Malden, MA}, title={Questioning geography: fundamental debates}, url={<https://ebookcentral.proquest.com/lib/auckland/detail.action?docID=243571>}, publisher={Blackwell Pub}, author={Castree, Noel and Rogers, Alisdair and Sherman, Douglas Joel}, year={2005} }

@inbook{Castree_Rogers_Sherman_Ebooks Corporation_2005, address={Malden, MA}, title={Models, modelling, and geography}, url={<http://auckland.ebib.com.ezproxy.auckland.ac.nz/patron/Read.aspx?p=243571&pg=220>}, booktitle={Questioning geography: fundamental debates}, publisher={Blackwell Pub}, author={Castree, Noel and Rogers, Alisdair and Sherman, Douglas Joel and Ebooks Corporation}, year={2005} }

@book{Chorley_Kennedy_1971, address={London}, title={Physical geography: a systems approach}, publisher={Prentice-Hall}, author={Chorley, Richard J. and Kennedy, Barbara A.}, year={1971} }

@article{Coco_Murray_2007, title={Patterns in the sand: From forcing templates to self-organization}, volume={91}, url={<https://www.sciencedirect.com/science/article/pii/S0169555X07003819?via%3Dihub>}, DOI={10.1016/j.geomorph.2007.04.023}, number={3-4}, journal={Geomorphology}, author={Coco, Giovanni and Murray, A. Brad}, year={2007}, pages={271-290} }

@article{Coe_Cumming_Phillipson_1976, title={Biomass and production of large African herbivores in relation to rainfall and primary production}, volume={22},

DOI={10.1007/BF00345312}, number={4}, journal={Oecologia}, author={Coe, M. J. and Cumming, D. H. and Phillipson, J.}, year={1976}, pages={341-354} }

@article{Dawson_Dickson_Nicholls_Hall_Walkden_Stansby_Mokrech_Richards_Zhou_Milligan_et al._2009, title={Integrated analysis of risks of coastal flooding and cliff erosion under scenarios of long term change}, volume={95}, DOI={10.1007/s10584-008-9532-8}, number={1-2}, journal={Climatic Change}, author={Dawson, R. J. and Dickson, M. E. and Nicholls, R. J. and Hall, J. W. and Walkden, M. J. A. and Stansby, P. K. and Mokrech, M. and Richards, J. and Zhou, J. and Milligan, J. and Jordan, A. and Pearson, S. and Rees, J. and Bates, P. D. and Koukoulas, S. and Watkinson, A. R.}, year={2009}, pages={249-288} }

@inbook{DeAngelis_Mooji_2003, address={Princeton, N.J.}, title={In praise of mechanistically rich models}, booktitle={Models in ecosystem science}, publisher={Princeton University Press}, author={DeAngelis, D.L. and Mooji, W.M.}, editor={Canham, Charles Draper William and Cole, Jonathan and Lauenroth, William K.}, year={2003}, pages={63-83} }

@article{Diamond_2002, title={Archaeology: Life with the artificial Anasazi}, volume={419}, DOI={10.1038/419567a}, number={6907}, journal={Nature}, author={Diamond, Jared M.}, year={2002}, pages={567-569} }

@article{Dickson_Walkden_Hall_2007, title={Systemic impacts of climate change on an eroding coastal region over the twenty-first century}, volume={84}, DOI={10.1007/s10584-006-9200-9}, number={2}, journal={Climatic Change}, author={Dickson, Mark E. and Walkden, Mike J. A. and Hall, Jim W.}, year={2007}, pages={141-166} }

@book{Donovan_Welden_2002, address={Sunderland, Mass}, title={Spreadsheet exercises in conservation biology and landscape ecology}, publisher={Sinauer Associates}, author={Donovan, Therese M. and Welden, Charles Woodson}, year={2002} }

@article{Drechsler_1998, title={Sensitivity analysis of complex models}, volume={86}, DOI={10.1016/S0006-3207(98)00021-4}, number={3}, journal={Biological Conservation}, author={Drechsler, Martin}, year={1998}, pages={401-412} }

@book{Easton_McColl_2000, title={Statistics Glossary}, url={http://www.stats.gla.ac.uk/steps/glossary/index.html}, author={Easton, V.J. and McColl, J.H.}, year={2000} }

@article{Edward N. Lorenz_1963, title={Deterministic Nonperiodic Flow}, volume={20}, url={http://journals.ametsoc.org/doi/abs/10.1175/1520-0469%281963%29020%3C0130%3ADNF%3E2.0.CO%3B2}, DOI={10.1175/1520-0469}, journal={Journal of Atmospheric Science}, author={Edward N. Lorenz}, year={1963}, pages={130-141} }

@article{Epstein_2008, title={Why Model?}, volume={11}, url={http://jasss.soc.surrey.ac.uk/11/4/12.html}, number={4}, journal={Journal of Artificial Societies and Social Simulation}, author={Epstein, Joshua M.}, year={2008} }

@article{F. Jeltsch, M. S. Muller, V. Grimm, C. Wissel and R. Brandl_1997, title={Pattern Formation Triggered by Rare Events: Lessons from the Spread of Rabies}, volume={264}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/50537}, number={1381},

journal={Proceedings: Biological Sciences}, author={F. Jeltsch, M. S. Muller, V. Grimm, C. Wissel and R. Brandl}, year={1997}, pages={495-503} }

@inbook{George L. W. Perry_2009, address={Chichester, U.K.}, title={Modelling and Simulation}, url={https://onlinelibrary.wiley.com/doi/10.1002/9781444305722.ch20}, booktitle={A companion to environmental geography}, publisher={Wiley-Blackwell}, author={George L. W. Perry}, year={2009} }

@inbook{Gillman_2009, address={New York}, title={Population Dynamics: Introduction}, volume={Facts on File science library}, url={http://doi.wiley.com/10.1038/npg.els.0003164}, DOI={10.1038/npg.els.0003164}, booktitle={Encyclopedia of life sciences}, publisher={Facts On File}, author={Gillman, Michael}, year={2009} }

@book{Gotelli_2008, address={Sunderland, MA}, edition={4th ed}, title={A primer of ecology}, publisher={Sinauer Associates}, author={Gotelli, Nicholas J.}, year={2008} }

@inbook{Gotelli_Ellison_2004, address={Sunderland, Mass}, title={A primer of ecological statistics}, booktitle={A primer of ecological statistics}, publisher={Sinauer Associates Publishers}, author={Gotelli, Nicholas J. and Ellison, Aaron M.}, year={2004} }

@article{H. Charles Romesburg_1981, title={Wildlife Science: Gaining Reliable Knowledge}, volume={45}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3807913}, number={2}, journal={The Journal of Wildlife Management}, author={H. Charles Romesburg}, year={1981}, pages={293-313} }

@book{Haefner_SpringerLink (Online service)_2005, address={New York}, edition={2nd ed}, title={Modeling biological systems: principles and applications}, url={http://dx.doi.org/10.1007/b106568}, publisher={Springer}, author={Haefner, James W. and SpringerLink (Online service)}, year={2005} }

@book{Hardisty_Taylor_Metcalfe_1993, address={Chichester, West Sussex, England}, title={Computerised environmental modelling: a practical introduction using Excel}, publisher={J. Wiley & Sons}, author={Hardisty, J. and Taylor, D. M. and Metcalfe, S. E.}, year={1993} }

@article{Hatamian_2001, title={Mathematical fortune-telling}, volume={6}, DOI={10.1002/cplx.1049}, number={5}, journal={Complexity}, author={Hatamian, Tim S.}, year={2001}, pages={27-40} }

@inbook{Heino_Enberg_2009, address={New York}, title={Sustainable Use of Populations and Overexploitation}, volume={Facts on File science library}, url={http://doi.wiley.com/10.1002/9780470015902.a0020476}, DOI={10.1002/9780470015902.a0020476}, booktitle={Encyclopedia of life sciences}, publisher={Facts On File}, author={Heino, Mikko and Enberg, Katja}, year={2009} }

@article{Helen M. Regan, Mark Colyvan and Mark A. Burgman_2002, title={A Taxonomy and Treatment of Uncertainty for Ecology and Conservation Biology}, volume={12}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3060967}, number={2}, journal={Ecological Applications}, author={Helen M. Regan, Mark Colyvan and Mark A. Burgman}, year={2002}, pages={618-628} }

@book{Hilborn_Mangel_1997, address={Princeton, N.J.}, title={The ecological detective: confronting models with data}, volume={Monographs in population biology}, url={https://ebookcentral.proquest.com/lib/auckland/detail.action?docID=1113396}, publisher={Princeton University Press}, author={Hilborn, Ray and Mangel, Marc}, year={1997} }

@article{Howard_1965, title={Geomorphological systems; equilibrium and dynamics}, volume={263}, DOI={10.2475/ajs.263.4.302}, number={4}, journal={American Journal of Science}, author={Howard, A. D.}, year={1965}, month={Apr}, pages={302-312} }

@article{Jeffrey S. Dean, Robert C. Euler, George J. Gumerman, Fred Plog, Richard H. Hevly and Thor N. V. Karlstrom_1985, title={Human Behavior, Demography, and Paleoenvironment on the Colorado Plateaus}, volume={50}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/280320?sid=primo&origin=crossref&seq=1#page_scan_tab_contents}, number={3}, journal={American Antiquity}, author={Jeffrey S. Dean, Robert C. Euler, George J. Gumerman, Fred Plog, Richard H. Hevly and Thor N. V. Karlstrom}, year={1985}, pages={537-554} }

@article{Joel P. W. Pitt, Sue P. Worner and Andrew V. Suarez_2009, title={Predicting Argentine Ant Spread over the Heterogeneous Landscape Using a Spatially Explicit Stochastic Model}, volume={19}, url={https://www.jstor.org/stable/40347260}, number={5}, journal={Ecological Applications}, author={Joel P. W. Pitt, Sue P. Worner and Andrew V. Suarez}, year={2009}, pages={1176-1186} }

@article{John R. Platt_1964, title={Strong Inference}, volume={146}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/1714268}, number={3642}, journal={Science}, author={John R. Platt}, year={1964}, pages={347-353} }

@article{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_2005, title={Ivory-Billed Woodpecker (*Campephilus principalis*) Persists in Continental North America}, volume={308}, url={https://www.science.org/doi/10.1126/science.1114103}, number={5727}, journal={Science}, author={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}, year={2005}, pages={1460-1462} }

@book{Lane_2003, title={HyperStat Online: An Introductory Statistics Textbook and Discussion of whether most published research is false}, url={http://davidmlane.com/hyperstat/}, author={Lane, D.M.}, year={2003} }

@article{Laurance_Williamson_2001, title={Positive Feedbacks among Forest Fragmentation, Drought, and Climate Change in the Amazon}, volume={15}, DOI={10.1046/j.1523-1739.2001.01093.x}, number={6}, journal={Conservation Biology}, author={Laurance, William F. and Williamson, G. Bruce}, year={2001}, pages={1529-1535} }

@article{Lazar_2010, title={Ockham's Razor}, volume={2}, DOI={10.1002/wics.75},

number={2}, journal={Wiley Interdisciplinary Reviews: Computational Statistics},
author={Lazar, Nicole}, year={2010}, pages={243-246} }

@article{Lenton_Williams_2013, title={On the origin of planetary-scale tipping points},
volume={28}, DOI={10.1016/j.tree.2013.06.001}, number={7}, journal={Trends in
Ecology & Evolution}, author={Lenton, Timothy M. and Williams, Hywel T.P.},
year={2013}, pages={380-382} }

@article{Levin_1997, title={Mathematical and Computational Challenges in Population
Biology and Ecosystems Science}, volume={275}, DOI={10.1126/science.275.5298.334},
number={5298}, journal={Science}, author={Levin, S. A.}, year={1997},
pages={334-343} }

@book{Lowry_2003, title={Inferential Statistics}, url={http://vassarstats.net/textbook/},
author={Lowry, R.}, year={2003} }

@inproceedings{van_Maanen_Coco_Bryan_2015, title={On the ecogeomorphological
feedbacks that control tidal channel network evolution in a sandy mangrove setting},
volume={471}, url={https://royalsocietypublishing.org/doi/pdf/10.1098/rspa.2015.0115},
booktitle={Proceedings of the Royal Society A}, author={van Maanen, B. and Coco, G.
and Bryan, K.R.}, year={2015} }

@article{van_Maanen_Coco_Bryan_Friedrichs_2013, title={Modeling the morphodynamic
response of tidal embayments to sea-level rise}, volume={63},
url={https://link.springer.com/article/10.1007%2Fs10236-013-0649-6},
DOI={10.1007/s10236-013-0649-6}, number={11-12}, journal={Ocean Dynamics},
author={van Maanen, Barend and Coco, Giovanni and Bryan, Karin R. and Friedrichs, Carl
T.}, year={2013}, pages={1249-1262} }

@article{Marten_2005, title={Environmental Tipping Points: A New Paradigm for
Restoring Ecological Security}, volume={20},
url={http://www.ecotippingpoints.org/resources/publication-journal-of-policy-studies.html},
journal={Journal of Policy Studies (Japan)}, author={Marten, Gerald}, year={2005},
pages={75-87} }

@article{Mayer_Butler_1993, title={Statistical validation}, volume={68},
url={https://www.sciencedirect.com/science/article/pii/0304380093901052?via%3Dihub},
DOI={10.1016/0304-3800(93)90105-2}, number={1-2}, journal={Ecological Modelling},
author={Mayer, D.G. and Butler, D.G.}, year={1993}, pages={21-32} }

@article{McNamara_Werner_2008, title={Coupled barrier island-resort model: 1.
Emergent instabilities induced by strong human-landscape interactions}, volume={113},
DOI={10.1029/2007JF000840}, number={F1}, journal={Journal of Geophysical
Research}, author={McNamara, D. E. and Werner, B. T.}, year={2008} }

@article{Millington_Romero-Calcerrada_Wrainwright_Perry_2008, title={An Agent-Based
Model of Mediterranean Agricultural Land-Use/Cover Change for Examining Wildfire Risk},
volume={11}, url={http://jasss.soc.surrey.ac.uk/11/4/4.html}, number={4},
journal={Journal of Artificial Societies and Social Simulation}, author={Millington, James
and Romero-Calcerrada, Raul and Wrainwright, John and Perry, George}, year={2008} }

@article{Müller_2010, title={Constructing climate knowledge with computer models},
volume={1}, DOI={10.1002/wcc.60}, number={4}, journal={Wiley Interdisciplinary

Reviews: Climate Change}, author={Müller, Peter}, year={2010}, pages={565-580} }

@inbook{Mulligan_Wainwright_2005, address={New York}, title={Modelling and model building},
url={http://site.ebrary.com.ezproxy.auckland.ac.nz/lib/auckland/reader.action?ppg=27∓docID=10650971&tm=1453163605208}, booktitle={Environmental Modelling}, publisher={John Wiley & Sons, Ltd.}, author={Mulligan, M. and Wainwright, J.}, editor={Wainwright, J. and Mulligan, M.}, year={2005}, pages={7-68} }

@article{Murphy_Bowman_2012, title={What controls the distribution of tropical forest and savanna?}, volume={15}, DOI={10.1111/j.1461-0248.2012.01771.x}, number={7}, journal={Ecology Letters}, author={Murphy, Brett P. and Bowman, David M.J.S.}, year={2012}, pages={748-758} }

@article{Murray_Coco_Goldstein_2014, title={Cause and effect in geomorphic systems: Complex systems perspectives}, volume={214},
url={https://www.sciencedirect.com/science/article/pii/S0169555X14001135?via%3Dihub}, DOI={10.1016/j.geomorph.2014.03.001}, journal={Geomorphology}, author={Murray, A. Brad and Coco, Giovanni and Goldstein, Evan B.}, year={2014}, pages={1-9} }

@inbook{Murray_2003, address={Washington, D.C.}, title={Contrasting the goals, strategies, and predictions associated with simplified numerical models and detailed simulations},
url={http://onlinelibrary.wiley.com.ezproxy.auckland.ac.nz/doi/10.1029/135GM11/summary}, booktitle={Prediction in geomorphology}, publisher={American Geophysical Union}, author={Murray, A.B.}, editor={Wilcock, Peter R. and Iverson, Richard Matthew}, year={2003}, pages={151-165} }

@article{Naomi Oreskes, Kristin Shrader-Frechette and Kenneth Belitz_1994, title={Verification, Validation, and Confirmation of Numerical Models in the Earth Sciences}, volume={263},
url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/2883078}, number={5147}, journal={Science}, author={Naomi Oreskes, Kristin Shrader-Frechette and Kenneth Belitz}, year={1994}, pages={641-646} }

@inbook{Oreskes_2003, address={Princeton, N.J.}, title={The role of quantitative models in science}, booktitle={Models in ecosystem science}, publisher={Princeton University Press}, author={Oreskes, N.}, editor={Canham, Charles Draper William and Cole, Jonathan and Lauenroth, William K.}, year={2003}, pages={14-31} }

@book{O'Sullivan_Perry_2013, address={Chichester, West Sussex, U.K.}, title={Spatial simulation: exploring pattern and process},
url={http://dx.doi.org/10.1002/9781118527085}, publisher={Wiley-Blackwell}, author={O'Sullivan, David and Perry, George L. W.}, year={2013} }

@article{Pauly_Christensen_Guénette_Pitcher_Sumaila_Walters_Watson_Zeller_2002, title={Towards sustainability in world fisheries}, volume={418},
DOI={10.1038/nature01017}, number={6898}, journal={Nature}, author={Pauly, Daniel and Christensen, Villy and Guénette, Sylvie and Pitcher, Tony J. and Sumaila, U. Rashid and Walters, Carl J. and Watson, R. and Zeller, Dirk}, year={2002}, month={Aug}, pages={689-695} }

@article{Pidgeon_Fischhoff_2011, title={The role of social and decision sciences in communicating uncertain climate risks}, volume={1}, DOI={10.1038/nclimate1080}, number={1}, journal={Nature Climate Change}, author={Pidgeon, Nick and Fischhoff, Baruch}, year={2011}, pages={35-41} }

@article{Quarteroni_2009, title={Mathematical models in science and engineering}, volume={56}, url={https://www.ams.org/notices/200901/tx090100010p.pdf}, number={1}, journal={Notices of the AMS}, author={Quarteroni, A.}, year={2009}, pages={10-19} }

@book{Quinn_Keough_2002, address={Cambridge, UK}, title={Experimental design and data analysis for biologists}, publisher={Cambridge University Press}, author={Quinn, G. P. and Keough, Michael J.}, year={2002} }

@article{R. F. Costantino, R. A. Desharnais, J. M. Cushing and Brian Dennis_1997, title={Chaotic Dynamics in an Insect Population}, volume={275}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/2891006}, number={5298}, journal={Science}, author={R. F. Costantino, R. A. Desharnais, J. M. Cushing and Brian Dennis}, year={1997}, pages={389-391} }

@article{Ran Nathan, Uriel N. Safriel and Imanuel Noy-Meir_2001, title={Field Validation and Sensitivity Analysis of a Mechanistic Model for Tree Seed Dispersal by Wind}, volume={82}, url={https://www.jstor.org/stable/2679866}, number={2}, journal={Ecology}, author={Ran Nathan, Uriel N. Safriel and Imanuel Noy-Meir}, year={2001}, pages={374-388} }

@inproceedings{Richardson_2003, title={On the limits of bottom-up computer simulation: towards a nonlinear modeling culture}, url={https://ieeexplore.ieee.org/document/1174227?arnumber=1174227&tag=1}, DOI={10.1109/HICSS.2003.1174227}, booktitle={36th Annual Hawaii International Conference on System Sciences, 2003. Proceedings of the}, publisher={IEEE}, author={Richardson, K.A.}, year={2003} }

@article{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_2002, title={Population Growth and Collapse in a Multiagent Model of the Kayenta Anasazi in Long House Valley}, volume={99}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3057853}, number={10}, journal={Proceedings of the National Academy of Sciences of the United States of America}, author={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}, year={2002}, pages={7275-7279} }

@book{Rowntree_2004, address={Boston}, edition={Classic ed}, title={Statistics without tears: a primer for non-mathematicians}, volume={Allyn and Bacon classics}, publisher={Allyn and Bacon}, author={Rowntree, Derek}, year={2004} }

@article{Ruckelshaus_Hartway_Kareiva_1997, title={Assessing the Data Requirements of Spatially Explicit Dispersal Models}, volume={11}, url={https://conbio.onlinelibrary.wiley.com/doi/full/10.1046/j.1523-1739.1997.96151.x}, DOI={10.1046/j.1523-1739.1997.96151.x}, number={6}, journal={Conservation Biology}, author={Ruckelshaus, Mary and Hartway, Cynthia and Kareiva, Peter},

year={1997}, pages={1298-1306} }

@article{SCHNEIDER_2001, title={The Rise of the Concept of Scale in Ecology},
volume={51},
url={https://www.jstor.org/stable/10.1641/0006-3568(2001)051[0545:trotco]2.0.co;2},
DOI={10.1641/0006-3568(2001)051[0545:TROTCO]2.0.CO;2}, number={7},
journal={BioScience}, author={SCHNEIDER, DAVID C.}, year={2001} }

@article{Schwämmle_Herrmann_2003, title={Geomorphology: Solitary wave behaviour of sand dunes}, volume={426}, url={https://www.nature.com/articles/426619a},
DOI={10.1038/426619a}, number={6967}, journal={Nature}, author={Schwämmle, Veit and Herrmann, Hans J.}, year={2003}, pages={619-620} }

@article{Sibley_2006, title={Comment on 'Ivory-billed Woodpecker (Campephilus principalis) Persists in Continental North America'}, volume={311},
url={https://www.science.org/doi/10.1126/science.1122778},
DOI={10.1126/science.1122778}, number={5767}, journal={Science}, author={Sibley, D. A.}, year={2006}, pages={1555a-1555a} }

@inbook{Smith_2002, address={Chichester}, title={Uncertainty analysis},
booktitle={Encyclopedia of environmetrics}, publisher={Wiley}, author={Smith, E.},
year={2002} }

@book{Sokal_Rohlf_1995, address={New York}, edition={3rd ed}, title={Biometry: the principles and practice of statistics in biological research}, publisher={Freeman},
author={Sokal, Robert R. and Rohlf, F. James}, year={1995} }

@article{Spiegelhalter_Pearson_Short_2011, title={Visualizing Uncertainty About the Future}, volume={333}, DOI={10.1126/science.1191181}, number={6048},
journal={Science}, author={Spiegelhalter, D. and Pearson, M. and Short, I.},
year={2011}, pages={1393-1400} }

@book{StatSoft_2013, title={Electronic Statistics Textbook},
url={https://statisticsoftware.wordpress.com/2012/04/12/electronic-statistics-textbook/},
author={StatSoft}, year={2013} }

@article{Stefanon_Carniello_D'Alpaos_Rinaldo_2012, title={Signatures of sea level changes on tidal geomorphology: Experiments on network incision and retreat},
volume={39}, url={https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2012GL051953},
DOI={10.1029/2012GL051953}, number={12}, journal={Geophysical Research Letters},
author={Stefanon, Luana and Carniello, Luca and D'Alpaos, Andrea and Rinaldo, Andrea},
year={2012} }

@article{Stermann_2000, title={Learning In and About Complex Systems.}, volume={1},
url={https://onlinelibrary.wiley.com/doi/abs/10.1002/sdr.4260100214}, number={3},
journal={Reflections}, author={Stermann, John D.}, year={2000}, pages={24-51} }

@article{Stockdon_Holman_Howd_Sallenger_2006, title={Empirical parameterization of setup, swash, and runup}, volume={53}, DOI={10.1016/j.coastaleng.2005.12.005},
number={7}, journal={Coastal Engineering}, author={Stockdon, Hilary F. and Holman, Rob A. and Howd, Peter A. and Sallenger, Asbury H.}, year={2006}, pages={573-588} }

@misc{Svoray_Nathan_2003, address={Southampton U.K.}, title={Spatially and temporally realistic and dynamic modelling for effects of water, temperature and light on tree population spread},
url={https://web.archive.org/web/20220120044142/http://www.geocomputation.org/2003/Papers/Svoray_Paper.pdf}, journal={Proceedings of the 7th International Conference on GeoComputation}, publisher={GeoComputation}, author={Svoray, T. and Nathan, R.}, year={2003} }

@article{Thompson_Derr_2009, title={Contra Epstein, Good Explanations Predict}, volume={12}, url={http://jasss.soc.surrey.ac.uk/12/1/9.html}, number={9}, journal={Journal of Artificial Societies and Social Simulation}, author={Thompson, N.S. and Derr, P.}, year={2009} }

@article{Thorsten Wiegand, Florian Jeltsch, Ilkka Hanski and Volker Grimm_2003, title={Using Pattern-Oriented Modeling for Revealing Hidden Information: A Key for Reconciling Ecological Theory and Application}, volume={100}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3548178}, number={2}, journal={Oikos}, author={Thorsten Wiegand, Florian Jeltsch, Ilkka Hanski and Volker Grimm}, year={2003}, pages={209-222} }

@book{Turner_Gardner_O'Neill_2001, address={New York}, title={Landscape ecology in theory and practice: pattern and process}, url={https://link.springer.com/book/10.1007%2Fb97434}, publisher={Springer}, author={Turner, Monica Goigel and Gardner, R. H. and O'Neill, R. V.}, year={2001} }

@article{Venette, Robert. C., Kriticos, Darren J. Magarey, Roger D. Koch, Frank H. Baker, Richard H. A., title={Pest Risk Maps for Invasive Alien Species: A Roadmap for Improvement}, url={https://link.gale.com/apps/doc/A226474370/BIC?u=learn&sid=summon&xid=e2365909}, number={5}, journal={Bioscience}, author={Venette, Robert. C., Kriticos, Darren J. Magarey, Roger D. Koch, Frank H. Baker, Richard H. A.}, pages={349-362} }

@article{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_2005a, title={Pattern-Oriented Modeling of Agent-Based Complex Systems: Lessons from Ecology}, volume={310}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3842807}, number={5750}, journal={Science}, author={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}, year={2005}, pages={987-991} }

@article{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_2005b, title={Pattern-Oriented Modeling of Agent-Based Complex Systems: Lessons from Ecology}, volume={310}, url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/3842807}, number={5750}, journal={Science}, author={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}, year={2005}, pages={987-991} }

@article{Walker_Harremoes_Rotmans_Van Der Sluijs_Van Asselt_Janssen_Krayer von Krauss_2003a, title={Defining uncertainty: a conceptual basis for uncertainty

management in model-based decision support}, volume={4},
 url={http://journals.sfu.ca.ezproxy.auckland.ac.nz/int_assess/index.php/iaj/article/view/122/79}, number={1}, journal={Integrated Assessment}, author={Walker, W.E. and Harremoes, P. and Rotmans, J. and Van Der Sluijs, J.P. and Van Asselt, M.B.A. and Janssen, P. and Kreyer von Krauss, M.P.}, year={2003}, pages={5-17} }

@article{Walker_Harremoes_Rotmans_Van Der Sluijs_Van Asselt_Janssen_Kreyer von Krauss_2003b, title={Defining uncertainty: a conceptual basis for uncertainty management in model-based decision support}, volume={4},
 url={http://journals.sfu.ca.ezproxy.auckland.ac.nz/int_assess/index.php/iaj/article/view/122/79}, number={1}, journal={Integrated Assessment}, author={Walker, W.E. and Harremoes, P. and Rotmans, J. and Van Der Sluijs, J.P. and Van Asselt, M.B.A. and Janssen, P. and Kreyer von Krauss, M.P.}, year={2003}, pages={5-17} }

@article{Winsberg_2009, title={Computer Simulation and the Philosophy of Science}, volume={4}, DOI={10.1111/j.1747-9991.2009.00236.x}, number={5},
 journal={Philosophy Compass}, author={Winsberg, Eric}, year={2009}, pages={835-845} }

@article{Worm_Hilborn_Baum_Branch_Collie_Costello_Fogarty_Fulton_Hutchings_Jennings_ et al._2009, title={Rebuilding Global Fisheries}, volume={325},
 DOI={10.1126/science.1173146}, number={5940}, journal={Science}, author={Worm, B. and Hilborn, R. and Baum, J. K. and Branch, T. A. and Collie, J. S. and Costello, C. and Fogarty, M. J. and Fulton, E. A. and Hutchings, J. A. and Jennings, S. and Jensen, O. P. and Lotze, H. K. and Mace, P. M. and McClanahan, T. R. and Minto, C. and Palumbi, S. R. and Parma, A. M. and Ricard, D. and Rosenberg, A. A. and Watson, R. and Zeller, D.}, year={2009}, month={Jul}, pages={578-585} }

@article{Zhou_Olabarrieta_Stefanon_D'Alpaos_Carniello_Coco_2014, title={A comparative study of physical and numerical modeling of tidal network ontogeny}, volume={119}, DOI={10.1002/2014JF003092}, number={4}, journal={Journal of Geophysical Research: Earth Surface}, author={Zhou, Zeng and Olabarrieta, Maitane and Stefanon, Luana and D'Alpaos, Andrea and Carniello, Luca and Coco, Giovanni}, year={2014}, pages={892-912} }

@article{Zuur_eleno_Elphick_2010, title={A protocol for data exploration to avoid common statistical problems}, volume={1}, DOI={10.1111/j.2041-210X.2009.00001.x}, number={1}, journal={Methods in Ecology and Evolution}, author={Zuur, Alain F. and leno, Elena N. and Elphick, Chris S.}, year={2010}, pages={3-14} }

@book{Zuur_eleno_Smith_2007, address={New York}, title={Analysing ecological data}, volume={Statistics for biology and health},
 url={https://link.springer.com/book/10.1007%2F978-0-387-45972-1}, publisher={Springer}, author={Zuur, Alain F. and leno, Elena N. and Smith, Graham M.}, year={2007} }

@article{The Method of Multiple Working Hypotheses_1890, volume={15},
 url={http://www.jstor.org.ezproxy.auckland.ac.nz/stable/1764336}, number={366}, journal={Science}, year={1890}, pages={92-96} }

@article{Banded vegetation: development under uniform rainfall from a simple cellular

automaton model,

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