

Scientific publications with an ODD model description

Supplemental material for Exercise 1, Chapter 3 of *Agent-Based and Individual-Based Modeling*

Acerbi, A., P. McNamara, and C. Nunn. 2008. To sleep or not to sleep: the ecology of sleep in artificial organisms. *BMC Ecology* 8:10. <http://www.biomedcentral.com/1472-6785/8/10>

Conner, M. M., M. R. Ebinger, and F. F. Knowlton. 2008. Evaluating coyote management strategies using a spatially explicit, individual-based, socially structured population model. *Ecological Modelling* 219:234-247.

Grimm, V., U. Berger, F. Bastiansen, S. Eliassen, V. Ginot, J. Giske, J. Goss-Custard, T. Grand, S. Heinz, G. Huse, A. Huth, J. U. Jepsen, C. Jørgensen, W. M. Mooij, B. Müller, G. Pe'er, C. Piou, S. F. Railsback, A. M. Robbins, M. M. Robbins, E. Rossmanith, N. Rüger, E. Strand, S. Souissi, R. A. Stillman, R. Vabø, U. Visser, and D. L. DeAngelis. 2006. A standard protocol for describing individual-based and agent-based models. *Ecological Modelling* 198:115-126. (19 example model descriptions are in the online appendix)

Jovani, R., and V. Grimm. 2008. Breeding synchrony of colonial birds: from local stress to global harmony. *Proceedings of the Royal Society B-Biological Sciences* 275:1557-1563. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2602658/>

Polhill, J. G., D. G. Brown, and V. Grimm. 2008. Using the ODD protocol for describing three agent-based social simulation models of land use change. *Journal of Artificial Societies and Social Simulation* 11. <http://jasss.soc.surrey.ac.uk/11/2/3.html>

Premo, L. S., and J. J. Hublin. 2009. Culture, population structure, and low genetic diversity in Pleistocene hominins. *Proceedings of the National Academy of Sciences of the United States of America* 106:33-37. <http://www.pnas.org/content/106/1/33.full>

Railsback, S. F., and M. D. Johnson. 2011. Pattern-oriented modeling of bird foraging and pest control in coffee farms. *Ecological Modelling* 222:3305-3319.

Ruxton, G. D., and G. Beauchamp. 2008. The application of genetic algorithms in behavioural ecology, illustrated with a model of anti-predator vigilance. *Journal of Theoretical Biology* 250:435-448.

Schmolke, A. 2009. Benefits of dispersed central-place foraging: an individual-based model of a polydomous ant colony. *American Naturalist* 173:772-778.

Wang, M., and V. Grimm. 2007. Home range dynamics and population regulation: an individual-based model of the common shrew *Sorex araneus*. *Ecological Modelling* 205:397-409.

Willis, J. 2008. Simulation model of universal law of school size distribution applied to southern bluefin tuna (*Thunnus maccoyii*) in the Great Australian Bight. *Ecological Modelling* 213:33-44.

- Acerbi, A., P. McNamara, and C. Nunn. 2008. To sleep or not to sleep: the ecology of sleep in artificial organisms. *BMC Ecology* 8:10.
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- Willis, J. 2008. Simulation model of universal law of school size distribution applied to southern bluefin tuna (*Thunnus maccoyii*) in the Great Australian Bight. *Ecological Modelling* 213:33-44.