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interest in conceptualizing complex  
problems. It requires using a system  
framework and using systems modeling

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Introduction to Agent-Based Economics describes the principal elements of

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An Introduction to Agent-Based Models:  
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computer science, agent-based models  
are used to assess the effects of  
autonomous agents (i.e. individuals,  
groups or objects) on an overall system.

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In the present context, the term “agent-based” means that each agent in an ABED simulation is represented in the code as a distinct object. This approach makes it relatively easy to modify ABED 's code to incorporate heterogeneity in

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agents' behaviors, locations, and  
interaction patterns. 13  
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An introduction to agent-based modeling  
modeling natural, social, and engineered  
complex systems with NetLogo: a review  
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*An Introduction to Agent-Based Modeling*  
An Introduction to Agent-Based Modeling  
for Undergraduates Angela B. Shiflet 1  
and George W. Shiflet 1 1 Wofford  
College, Spartanburg, SC USA [email  
protected], [email protected] Abstract

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Modeling Modeling Natural  
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Agent-based modeling (ABM) has become an increasingly important tool in computational science. Thus, in the final week of the 2013 fall semester, Wofford College's undergraduate Modeling and Simulation for ...

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The Schelling segregation model is a classic agent-based model, demonstrating how even a mild preference for similar neighbors can lead to a much higher degree of segregation than we would intuitively expect. The model consists of agents on a square grid, where each grid cell can contain at most one agent. Agents come in two



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colors: red and blue.

*An introduction to ABED: Agent-based simulation of ...*

Introduction to Agent-Based Economics describes the principal elements of agent-based computational economics (ACE). It illustrates ACE's theoretical foundations, which are rooted in the

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Introduction to Agent-Based Economics  
describes the principal elements of  
agent-based computational economics

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Uri Wilensky and William Rand's An  
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NetLogo is the single best book I've  
encountered for anyone interested in  
agent-based modeling (ABM) in any

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discipline and at any level (K-12, undergraduate, graduate, professional).

*An Introduction to Agent-Based Modeling*  
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Complex Systems, Agent-Based Modeling and Psychohistory. •  
Psychohistory is a fictional science used by Isaac Asimov's character, Hari



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Seldon, in the Foundation series. •

Psychohistory combines history,  
sociology, and mathematics to make  
approximate predictions about the  
future behavior of large groups of  
people.

*An Introduction to Agent-based Modeling  
for Undergraduates ...*

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Agent based models are at their heart a set of simple rules for behavior that are applied iteratively across a collection of agents, typically represented as cells on a grid. In fact, some of the very early models were developed not on early computers, but on playing boards from the game “ go “.

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