

Modeling and simulating human occupation: a netLogo-agent-based toy model

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Abstract

Human occupation is an important element for individual and community wellbeing as well as for social equilibrium and the prevention of conflicts and wars. Despite its importance, because of the lack of tools and quantitative methods for decision-making by governmental agents and other organizations, in the underdeveloped and developing countries, human occupation is absent as a factor of social regulation. In this paper, we present a “toy model” that illustrates the use of agent-based modeling methods to simulate a simple occupational dynamic.

Palabras clave

Human occupation, Occupational science, Occupational system, Complexity Complex system, Nonlinearity, Hierarchy in complex systems