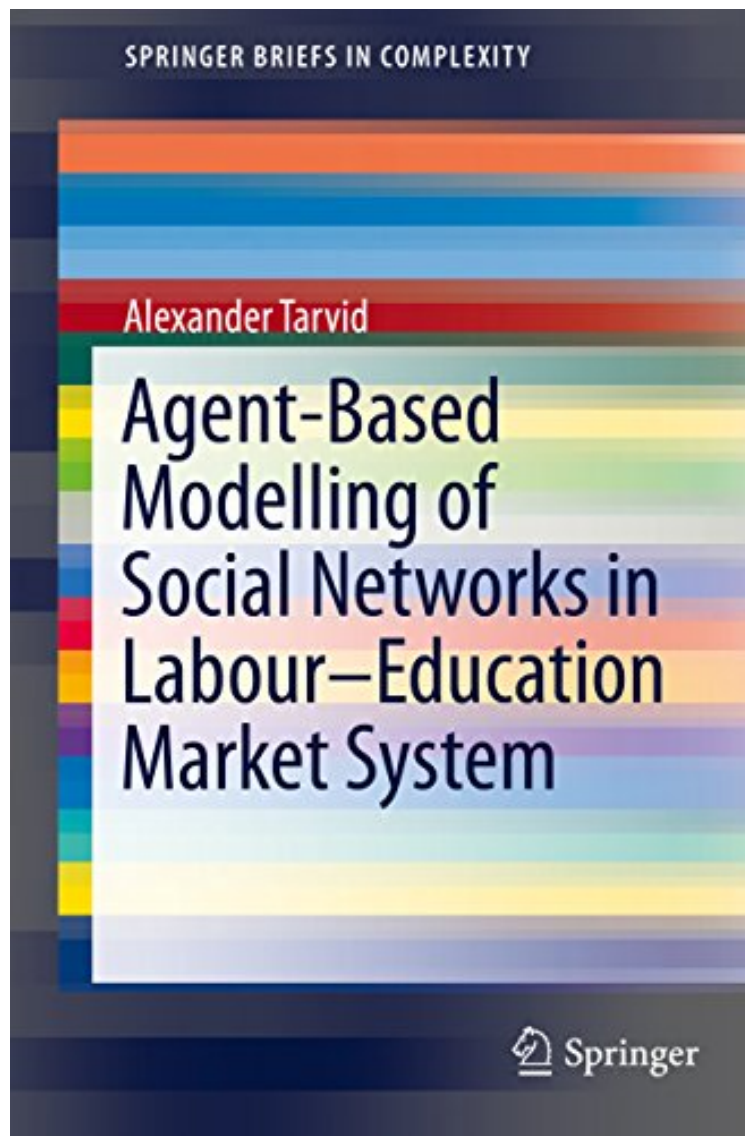


(Mobile library) Agent-Based Modelling of Social Networks in Labourdash;Education Market System (SpringerBriefs in Complexity)

Agent-Based Modelling of Social Networks in Labourdash;Education Market System (SpringerBriefs in Complexity)

Alexander Tarvid

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This book covers the modelling of human behaviour in the education and labour markets, which due to their interdependency are viewed as one system. Important factors influencing the decision-making of individuals and firms in this system are discussed. The role of social environment and networks is stressed. The approach of agent-based modelling is presented and compared with standard economic modelling and other simulation techniques in the context of modelling complex adaptive systems. Practical questions in building agent-based models of labourdash;education market system with social networks are discussed. These questions include modelling the structure of education system and agent behaviour there; modelling and calibrating the labour market without and with firms; generating the social network, defining its behaviour and calibrating it; and embedding the resulting system into a larger model.

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