

Adaptation of Artificial Intelligence into Economic Modelling

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The conventional techniques of system analysis seem to be inappropriate to manage “human” systems: such affects human judgments, feelings, emotions and approaches. As the complexity of a system grows, we have even less ability to make precocious, significant statements; furthermore, significance and exactitude become mutually exclusive characteristics of the system. We have to face the same dilemma when making a model, which should be very plastic and adaptable for learning new things, but stable enough to preserve the well-established knowledge. In this recent study, I would like to show a hybrid neuro-fuzzy system, which is able to handle the above mentioned problems with success, and can give approximation for innovation potential making a synergy of effectiveness of neural networks and “blurred” fuzzy sets.

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