Modeling Complex Adaptive Environments

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Abstract: The Center of Army Analysis models complex adaptive environments in support of military leaders and decision analysis. It gives strategic leaders the ability to assess counter insurgency strategy in unstable environments. Given data, there are options to model these complex adaptive environments. For this study, a system dynamics model, least squares regression, and a generalized linear model were considered. Results indicate the generalized linear model is the most robust model for the given task.

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