Validation of geosimulation models: a systematic review

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Geosimulation models are a widely used tool in theoretical and quantitative geography, and deemed powerful for various reasons including their ability to capture spatial complexity, an heterogeneity of agent and processes, or multiple scales. One downside of their subsequent high parameter space or strong stochasticity, of the need to explicitly simulate them to understand their behaviour, and of their flexibility, is that their validation is less systematic than for their statistical, machine learning or analytical counterparts, for which robust criteria are available. Furthermore, the concept of model validation or evaluation seems to be contextual to the disciplinary environment in which the model is developed and used.

This contribution proposes to explore

References

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