Special Issue

Complex Network Analysis in Econometrics

Message from the Guest Editors

This Special Issue will accept unpublished original papers and comprehensive reviews focused on, but not restricted to, the following research areas:

- Network perception and reconstruction based on econometrics methods and information entropy theory;
- Integration of complex networks, econometrics and information entropy theory;
- Causal inference based on econometrics methods and information entropy theory;
- Economic and financial risk transmission network modeling and analysis;
- Cascade and catastrophe in economic and financial networks;
- Robustness in economic and financial networks;
- Predictive econometrics network modeling;
- Time series econometric network modeling and dynamic analysis;
- Nonlinear dynamics in econometrics networks;
- High-dimensional econometrics network modeling;
- Heterogeneity econometrics network modeling.

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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