Macro Research in Computational Economics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In recent decades, a host of key macroeconomic questions have been framed within models of computational economics. By relying on advanced quantitative techniques, computational economics allows researchers to assess the function of complex economic systems embodying distinct sources of heterogeneity and to construct numerical experiments for identification and empirical cross-validation purposes. From a broad quantitative perspective, computationally intensive macroeconomic research conclusively relaxes the constraints enforced by analytical tractability and lends itself to valuable cross-disciplinary fertilization of knowledge.

This Special Issue aims to collect relevant work in the field of computational macroeconomics. Topics of interest include yet are not limited to simulation-based inference in DSGE and/or ABM structures; economic–epidemic modeling; machine learning; neural networks; social dynamics; numerical methods.

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