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*Essays on Empirical
Likelihood in Economics*

Zhengyuan Gao

This thesis intends to exploit the roots of Empirical Likelihood and its related methods in mathematical programming and computation. The roots will be connected and the connections will induce new solutions for the problems of estimation, computation, and generalization of Empirical Likelihood.

Zhengyuan Gao BSc in Computational Mathematics (Xi'an Jiaotong University), Msc in Economics and Econometrics (University of Southampton). Major research interests are econometrics and mathematical economics.