

Kevin D. Duncan

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Qualifications Summary

Economics PhD with research in econometric theory and applied microeconomics. Experience implementing both tall and wide data driven projects in R and Stata. Advanced knowledge of statistical theory and implementation of machine learning techniques.

Education

(Expected) Dec. 2019	Ph.D.	Economics	Iowa State University
2015	M.S.	Economics	Iowa State University
2011	B.S.	Economics & Public Policy	The George Washington University

Experience

Estimated the impact of the troubled asset relief program on business dynamics using bank call sheet data, requiring regularized regression for variable selection over hundreds of available covariates. Used Lasso-augmented synthetic control methods and developed original inference methods.

Developed joint hypothesis tests for panel data with serially correlated errors with large numbers of inconsistent parameter estimation relative to the sample size.

Utilized R and Stata to construct estimators and carry out large data driven projects that included both many observations or covariates.

Forecasted local economic growth using state climate business indices. Responded to reviewer comments and generate published peer reviewed work.

Publications & Working Papers

"Do State Business Climate Indicators Explain Relative Economic Growth at State Borders?" *with Georgeanne Artz, Peter Orazem, and Arthur Hall*, Journal of Regional Science, Vol. 56, No. 3, 2016, pp. 395-419

"The Troubled Asset Relief Program's Effect on Firm Entry over the Business Cycle"

"Linear Hypothesis Tests over Fixed Effects with Serially Correlated Panels"

"Impact of Taxes on Firm Location Along State Borders," *with Georgeanne Artz and Peter Orazem*

Teaching & Presentations

2018 Adjunct Instructor Des Moines Area Community College Ankeny IA

2019 Midwest Economics Association, 2016 Midwest Economics Association, 2015 Southern Economics Association, Missouri Valley Economics Association, 2014 Midwest Economics Association