

# Diyi Li

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## Summary

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- Ph.D. candidate in Economics with emphasis on economic modeling and data analysis.
- 5+ years of experience working with large datasets and advanced statistical analysis.
- Advanced programming skills in STATA, SAS and SQL.
- Experience in project management, including training research assistants and monitoring data collection.

## Doctoral Studies

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### Ph.D. Candidate in Economics

University of Missouri

2013 to Present

- Dissertation Title: *Three Essays on Economics of Higher Education*
- Expected Completion Date: May 2019

#### References:

Dr. Cory Koedel (dissertation advisor)  
[koedelc@missouri.edu](mailto:koedelc@missouri.edu)

Dr. David Kaplan (dissertation committee)  
[kaplandm@missouri.edu](mailto:kaplandm@missouri.edu)

Dr. Peter Mueser (dissertation committee)  
[mueserp@missouri.edu](mailto:mueserp@missouri.edu)

Dr. Mark Ehlert (research supervisor)  
[ehlertm@missouri.edu](mailto:ehlertm@missouri.edu)

## Research Fields

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Economics of Education, Labor Economics, Applied Economics

## Prior Education

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### M.S. in Economics

Baylor University

2011 to 2013

### B.A. in Environmental Econ and Admin

Renmin University of China

2007 to 2011

## Programming Skills

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Advanced in STATA, SAS, SQL, SPSS, Microsoft Office

## Honors and Awards

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The Norman Bowers Scholarship (department award to outstanding  
PhD candidate to support dissertation research)

October 2017

AEI Education Policy Academy

August 2016

## Professional Activities

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### Conference Presentations

AEFP 43rd Annual Conference

March 2018

AEFP 42nd Annual Conference

March 2017

### Referee Service

*Economics of Education Review*

## Research Assistant Experience

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Supervisors: Dr. Mark Ehlert and Dr. Michael Podgursky  
Economics Department, University of Missouri

May 2018 to Present

Project: *Annual Composition of the Teacher Work Force and Relationships with School Performance on the Missouri Assessment Program*

- Made use of a longitudinal educator database to produce extensive descriptive data on flows of teachers from preparation programs to the Kansas City labor market.
- Evaluated school performance using state assessment data and additional performance measures.
- Investigated the relationship between school performance and the stability of the teacher workforce at the school.

Supervisors: Dr. Mark Ehlert, Dr. Cory Koedel and Dr. Michael Podgursky  
Economics Department, University of Missouri

July 2016 to April 2018

Project: *The Missouri Gateway Assessments: A Report on New Assessments, Data Sources, Score Records, and Relationships among Measures for Educator Preparation Program Candidates*

- Retrieved all available assessments, certificates, and teacher labor market data for aspiring candidates in Missouri educator preparation programs since the fall of 2014 and linked all the data elements by individual candidates.
- Evaluated the correlations between candidate performance on the assessments and various program outcomes.
- Prepared initial report to present the results of the empirical analysis.

Supervisor: Dr. Cory Koedel  
Economics Department, University of Missouri

August 2015 to May 2016

Project: *Mathematics Curriculum Effects on Student Achievement in California*

- Constructed an 11-year data panel of school and district characteristics and achievement outcomes for all public primary schools in California, which were further supplemented with data from the U.S. Census.
- Merged these data with manually collected information on schools' curriculum adoptions, cleaned the data and built an analytic sample.
- Used matching and OLS to estimate achievement effects of different sets of curriculum materials.

Supervisor: Dr. Pham Hoang Van  
Economics Department, Baylor University

August 2011 to May 2013

Research Areas: International Trade, Labor Economics

- Built a database of international trade conflicts and ensuing policy responses.
- Retrieved large data sets to calculate indices that measure the quality of the export basket for all available countries.

## Teaching Assistant Experience

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University of Missouri

Principles of Microeconomics (Head TA)  
Principles of Microeconomics  
General Economics

Fall 2014 to Spring 2015  
Spring 2014  
Fall 2013

Baylor University

Risk Management (Graduate Level)  
Principles of Macroeconomics  
Principles of Microeconomics

Fall 2012 to Spring 2013  
Summer 2012  
Summer 2012

## Job Market Paper

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Li, Diyi. The Effect of Non-Resident Enrollment Growth on In-State College Students. Working Paper.

I use student-level administrative data from a state flagship university to study the effect of changes in non-resident enrollment on in-state student outcomes. I leverage within-major and cross-time variation in non-resident enrollment using a differences-in-differences framework. I find no evidence of negative effects of non-resident enrollment growth on third-year persistence or performance outcomes for instate students. Moreover, there is no effect heterogeneity by in-state student gender or race. There is some evidence of effect heterogeneity when I split total non-resident enrollment into (a) out-of-state domestic enrollment and (b) foreign enrollment. Specifically, the results reveal no adverse effects of out-of-state domestic enrollment growth on in-state students for any outcome measure. However, although it is modest in magnitude, there is some evidence that increasing foreign enrollment has negative effects on the postsecondary persistence of in-state students.

## Other Academic Papers

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Li, Diyi and Cory Koedel (2018). A Technical Comment on Li and Koedel (2017): Author Response. *Educational Researcher* 47(4): 262-263.

Li, Diyi and Cory Koedel (2017). Representation and Salary Gaps by Race/Ethnicity and Gender at Selective Public Universities. *Educational Researcher* 46(7): 343-354.

Koedel, Cory, Diyi Li, Morgan S. Polikoff, Tenice Hardaway and Stephani L. Wrabel (2017). Mathematics Curriculum Effects on Student Achievement in California. *AERA Open* 3(1): 1-22.