

# Curriculum Vitae

Myong Jong(MJ) Shin

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## EDUCATION

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**Indiana University Bloomington**

*Doctor of Philosophy in Economics*

Bloomington, IN

*Aug. 2016 – May 2023(expected)*

**Indiana University Bloomington**

*Master of Arts in Economics*

Bloomington, IN

*Aug. 2016 – March 2019*

**Soongsil University**

*Bachelor of Arts in Economics*

Seoul, South Korea

*March. 2010 – February 2016*

## RESEARCH FIELDS AND INTERESTS

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Financial Econometrics, Applied Machine Learning, Big Data Analysis, Macroeconometrics

## WORKING PAPERS

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**Title: *Empirical investigation on supervised machine learning models predicting equity risk premium*(Job Market Paper)**

Abstract: Using US monthly data, we examine the performance of various supervised machine learning models in forecasting multi-horizon firm-level equity risk premium. Following Gu, Kelly, and Xiu (2020), we use a panel of firm-level US financial characteristics and macroeconomic predictors from March 1957 to December 2016. First, using tests by Giacomini and White (2006), Hansen, Lunde, and Nason (2011), and Hansen (2005), we compare across models and find the model with superior predictive ability. Additionally, we test for conditional superior predictive ability across models using the test by Li, Liao, and Quaadvlieg (2022). Superior predictive ability of a model is conditional on scalar state variable during prediction periods. Among the models tested, we find that generally, partial least squares and random forest show best predictive ability.

## TEACHING EXPERIENCE

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### Associate Instructor

*Indiana University Bloomington*

- M524 Financial Econometrics(graduate course) Fall 2021
- E370 Statistical Analysis For Business and Economics Fall 2022, Spring 2021, Spring & Fall 2020, Fall 2019
- E344 Health Economics Spring 2019
- E201 Intro to Microeconomics Fall 2018

### Teaching Assistant

*Indiana University Bloomington*

- E671 Econometrics 3(graduate course) Spring 2022
- E202 Intro to Macroeconomics Spring 2018
- E201 Intro to Microeconomics Fall 2017

### Grading Assistant

*Indiana University Bloomington*

- E202 Intro to Macroeconomics Spring 2017
- E370 Statistical Analysis For Business and Economics Fall 2016

## PROGRAMMING/DATA EXPERIENCE

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Programming: MATLAB, R, STATA, Python(tensorflow, scikit-learn), C, C++, L<sup>A</sup>T<sub>E</sub>X  
Data: High Performance Computing(Slurm), Bloomberg, Datastream, WRDS

## HONORS AND AWARDS

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H. Crawford Graduate Top-up Fellowship	Fall 2022
Soongsil Scholarship	Fall 2019, Spring 2020
Indiana University Graduate Assistantship	Fall 2016 – Fall 2022

## PRESENTATIONS

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2022 KAEA virtual conference	Fall 2022
92nd SEA Annual Meeting (Accepted, Fort Lauderdale, FL)	Fall 2022
Econometrics Brownbag (Indiana University Bloomington)	Fall 2022
Hoosier Economics Conference (Indiana University)	Fall 2020

## OTHER INFORMATION

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Citizenship : Republic of Korea(F1-visa: STEM certified 3-year OPT)  
Language : Korean (native), English (fluent)  
Military Service : Aug 2011 – May 2013  
Year of birth: 1991

## REFERENCES

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*Department of Economics, Indiana University*

- Dr. Ke-li Xu (Committee chair)
- Dr. Laura Liu (Committee member)
- Dr. Ruli Xiao (Committee member)
- Dr. Nastassia Krukava (Teaching)

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