Hariharan Jayashankar

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Education

- **M.Sc in Economics - London School of Economics** **Period: 2016-2017**
  - Grade: Merit
  - Relevant Coursework: *Microeconomics, Macroeconomics, Econometrics, Development Economics*
  - Thesis: **Effects of Tariff Rates on Tariff Evasion**
    - Apart from the usual benefits of free trade, tariff rate reduction can also be expected to bring with it a reduction in tariff evasion rates. This paper provides a basic theoretical framework for thinking through the structure of tariff evasion. We construct a general equilibrium model for a small open economy and show through numerical methods that tariff rates and tariff evasion rates move together. We then show preliminary empirical evidence of the relationship between tariff evasion and tariff levels in the data in the context of the ASEAN Free Trade Area.
- **B.Sc in Economics and Finance - University of London International Programs (lead college: LSE) Period: 2013-16**
  - Grade: First Class Honours
  - Relevant Coursework: *Microeconomics, Macroeconomics, Econometrics, Development Economics, International Economics, Quantitative Finance*
  - Acheivements: Received the Dean's Award for outstanding performance in Econometrics, Macroeconomics and International Economics
- **Rice Math Camp for Phd Economics Students - Rice University** **Period: 2019**
  - Grade: Distinction
  - Relevant Coursework: *Real Analysis, Linear Algebra, Calculus, Optimization, Difference and Differential Equations*

Work Experience (*In chronological order*)

- **Center for Advance Financial Research and Learning - *Research Associate*** **Period: 2018-Present**
  - Projects
    1. **"Distributional Impacts of Household Financial Inclusion Policies Across Countries"** - *Gautham Udupa and Fan Wang*
       - Conducted literature Reviews
       - Collected and managed aggregate and micro data
       - Produced Writeups with empirical analyses and visualizations
    2. **"Estimating the New-Keynesian Phillip's Curve for India"** - *Gautham Udupa and Hariharan Jayashankar*
       - Conducted literature Reviews
       - Collected and managed aggregate and micro data
       - Constructed labour share measure from firm level balance sheet data
       - Conducted empirical analysis mostly involving Generalized Method of Moments
       - Produced presentations and writeups
    3. **"DSGE for India"** - *Amartya Lahiri and Rajesh Singh*
       - Collected large amounts data
       - Conducted literature reviews
       - Estimated various parameters of the DSGE model
- **JPAL - *Research Associate*** **2017-18**
  - Assisted a project whose principal investigators were Arun Chandrasekhar, Melanie Morten and Alessandra Peter with a naturalistic field experiment trying to look at frictions to small firms expanding in India including moral hazard, limited commitment and hidden income
  - Involved coming up with design ideas for various theoretical frameworks
  - Managing field staff, coordinating between multiple vendors
- **Teach for India - *Volunteer*** **2016**
  - Taught mathematics and english to grade 6 students
  - Invigilated written exams and conducted oral tests
  - Counselled students on their personal problems
  - Helped organize classroom allocation and extracurricular activities

- **Insurance Arbitration Committee, Chennai - *Assisstant to the Chairman*** **2016**
  - Analyzed legal documents regarding a cost estimation dispute
  - Drafted the final report
- **Hansa Cequity - *Data Analysis Intern*** **2015**
  - Analyzed mutual fund investor behavior through various bull and bear market transition using survival analysis.
  - Drafted a writeup
  - Presented results to management
- **Colliers International - *Intern*** **2014**
  - Collected and analyzed primary data on commercial tenants around Mumbai

Computer Skills

- Stata
- R
- Python
- Matlab
- Dynare
- LaTeX
- Julia
- Markdown
- Git/Github
- Amazon Web Services (EC2, Lambda, and S3)

Test Scores

- GRE:
  - Verbal - 167/170
  - Quant - 170/170

Personal Projects

- Numerically Solving theoretical economic models in python:
  - *Replicating a heterogenous agent model with mortgage refinancing* (https://hariharanjayashankar.github.io/project/beraja_replication/)
  - *Optimal Growth Model* (https://github.com/HariharanJayashankar/optimal_growth)
  - *Aiyagari Model* (https://github.com/HariharanJayashankar/aiyagari)
- *Solow Growth Model Empirics* - (https://github.com/HariharanJayashankar/mrw1992)