

Varun Satish

varun.satish@chicagobooth.edu
varun.satish@sydney.edu.au
<https://varunsatish.github.io/>

EDUCATION

The University of Sydney

March 2016 - November 2019

B.Ec. (Honours) *First Class Honours* in Economics and Econometrics

Honours Thesis: “Social Networks and Technology Adoption”

Advisors: Dr. Shyamal Chowdhury and Dr. Yi Sun

RESEARCH EXPERIENCE

Booth School of Business, The University of Chicago

Jun 2020 - Present

Research Professional

Working on projects relating to development and public health with Professor Rebecca Dizon-Ross.

Centre for Translational Data Science, The University of Sydney

Nov 2019 - Feb 2020

Research Intern

Worked on an application of machine learning to the social sciences by combining Gaussian Process models and ‘street network’ data to more accurately predict crime. Utilised Bayesian methods such as Variational Inference and MCMC as well as Principal Component Analysis. Co-authored a manuscript that is in preparation with Dr. Roman Marchant.

School of Economics, The University of Sydney

June 2018 - June 2019

Research Assistant

Worked on a project involving applications of network theory to economic history with Dr. Jodi Vidal-Robert. Involved utilising a GIS in order to construct a network dataset using Python and Stata. Cited as co-author on subsequent grant applications and conference presentations.

WORKING PAPERS

S. Chowdhury, **V. Satish**, M. Sulaiman and Y. Sun, “Social Networks and Technology Adoption”, *Unpublished Manuscript*

R. Marchant and **V. Satish**, “Gaussian Process Regression with Street Network Data”, *Unpublished Manuscript*

CONFERENCES AND INVITED TALKS

“Social Networks and Technology Adoption”, International Conference on Randomized Controlled Trials, Monash University, 2019

“An Introduction to Panel Data in Python”, Computational Modelling in the Social Sciences, Australian National University, 2019

SKILLS

Python (advanced); Stata (advanced); MATLAB (intermediate); HTML (basic)