

# Varun Satish

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EDUCATION	<b>University of Sydney</b> , Sydney, NSW, Australia	
	Bachelor of Economics (Honours)	Mar 2016 – Nov 2019
	<i>Grade: First Class Honours</i> <i>Thesis: Social Networks and Technology Adoption</i> <i>Advisors: Dr. Shyamal Chowdhury and Dr. Yi Sun</i>	
RESEARCH EXPERIENCE	<b>Centre for Translational Data Science</b> , University of Sydney	Nov 2019 – Mar 2020
	<i>Research Intern</i>	
	<i>Supervisor: Dr. Roman Marchant</i>	
	Worked on applications of machine learning in social science under the supervision of Dr. Roman Marchant. Involved applying statistical techniques such as Principal Component Analysis and Maximum Likelihood estimation to non-standard machine learning problems. Responsible for writing Python code as well as producing a manuscript. Cited as a co-author on a resulting working paper.	
	<b>School of Economics</b> , University of Sydney	Jun 2018 – Jun 2019
	<i>Research Assistant</i>	
	<i>Supervisor: Dr. Jordi Vidal-Robert</i>	
	Worked on a project involving applications of network theory to economic history with Dr. Jordi 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.	
	<b>School of Political and Social Sciences</b> , University of Sydney	Jun 2018 – Dec 2018
	<i>Research Assistant</i>	
	<i>Supervisor: Prof. Lisa Adkins</i>	
	Worked on a project investigating the relationship between asset inflation and inequality with Prof. Lisa Adkins. Involved data scraping and production of visualisations in R. Acknowledged for research assistance in a peer-reviewed publication.	
PUBLICATIONS	<b>WORKING PAPERS</b>	
	<ul style="list-style-type: none"><li>[1] S. Chowdhury, <u>V. Satish</u>, M. Sulaiman and Y. Sun, “Social Networks and Technology Adoption”, <i>Unpublished Manuscript</i></li><li>[2] R. Marchant and <u>V. Satish</u>, “Gaussian Process Regression with Street Network Data”, <i>Unpublished Manuscript</i></li></ul>	
	<b>SOFTWARE AND CODE</b>	
	<ul style="list-style-type: none"><li>[3] <u>V. Satish</u>, <i>oTree: Delegation Game from Bartling et. al. (2014)</i>. Code and documentation available at: <a href="https://github.sydney.edu.au/vsat9038/LCC-experiment">https://github.sydney.edu.au/vsat9038/LCC-experiment</a></li><li>[4] <u>V. Satish</u>, <i>absdata: Accessing Australian Bureau of Statistics’ data in Python</i>. Documentation available at: <a href="https://pypi.org/project/absdata/">https://pypi.org/project/absdata/</a></li></ul>	
	<b>CREDITED AS RESEARCH ASSISTANT</b>	
	<ul style="list-style-type: none"><li>[3] L. Adkins, M. Cooper, and M. Konings, “Class in the 21st century: Asset inflation and the new logic of inequality.”, (2019), <i>Environment and planning A: economy and space</i>.</li></ul>	
CONFERENCES & INVITED TALKS	▪ Conference on Randomised Controlled Trials, Monash University	Dec 2019
	▪ Intensive Course in Computational Modeling, Australian National University	Dec 2019
	Invited to teach Python to a group of high performing economics students from around Australia	
	▪ Computing in Economics, University of Sydney	Dec 2018 – May 2019
Developed and taught Python workshops to 70+ students		

<b>TEACHING EXPERIENCE</b>	▪ ECMT2160: Econometric Analysis, University of Sydney	Jul 2019–Nov 2019
	▪ ECON1002: Introductory Macroeconomics, University of Sydney	Jul 2018–May 2019
<b>SKILLS</b>	▪ Proficient: Python, Stata, $\text{\LaTeX}$	
	▪ Intermediate: Git, MATLAB, R, oTree	
	▪ Beginner: SQL, HTML	
<b>REFERENCES</b>	▪ Available on request	

[Last Updated: 2020-03-29]