

Fiona Sijie Feng

fiona.sijie.feng@gmail.com | fsfeng.github.io/academic | http://github.com/fsfeng

Education	NYU Stern School of Business	2013-2019
	Ph.D. Candidate in Economics (Sep 2019 Graduation)	
	University of Melbourne	2011
	Honours in Economics	
	University of Auckland	2007-2011
	Bachelor of Arts/Bachelor of Commerce (Philosophy & Economics)	

Papers & Projects	The Proximity of Ideas: An Analysis of Patent Text Using Machine Learning
	<i>(Job Market Paper)</i>
	<ul style="list-style-type: none">• Explored knowledge relationships in innovative ideas as represented by patent text using machine learning/natural language programming.• Converted text to numerical data using supervised Neural Networks, and unsupervised Topic Modeling and Doc2Vec in Python.• Analysed knowledge relatedness using distance metrics such as cosine similarity and Hellinger distance• Conducted data analytics and visualization using multivariate regression, logistic regression, and panel regression in Python and R
	Assessing the Quality of Management and Business Practices from Employee Job Reviews
	<ul style="list-style-type: none">• Devised measure of management quality using supervised Deep Learning and sentiment analysis in TensorFlow and Keras• Devised generality index of reviews using clustering on document embeddings with Doc2Vec• Implemented web scraping in Python• Conducted data analytics and visualization using time series analysis and panel regression in Python and R

Awards	American Economic Association (AEA) CSWEP Summer Dissertation Fellowship, <i>Federal Reserve Bank of Minneapolis</i>	2018
	Policy Research Fellowship, <i>Internet Association</i>	2017

Teaching Commendation for Rating 6.5/7, Introductory Microeconomics, NYU Stern

Presentations	<i>Transatlantic Doctoral Conference</i> , London Business School, London, England	2018
	<i>Early Career Economists Conference</i> , Monash University, Melbourne, Australia	
	<i>Summer Internship Presentation</i> , Federal Reserve Bank of Minneapolis, Minneapolis, USA	
	<i>NBER Productivity Seminar</i> , National Bureau of Economic Research, Boston, USA (October)	
	<i>Roundtable for Engineering Entrepreneurship Research (REER) Conference</i> , Georgia Tech, Atlanta, USA (November)	
	<i>NET Institute Conference</i> (Discussant), NYU Stern, New York, USA	2017
	<i>NBER Digitization Tutorial</i> , Stanford University, Palo Alto, USA	

Teaching	Introductory Microeconomics, Competitive Analysis, Introductory Macroeconomics, Intermediate Macroeconomics, Advanced Macroeconomics	UG
	Global Economy, Financial Crisis	MBA

PhD Committee	Petra Moser (Chair, <i>Economics, NYU Stern</i>)	pmoser@stern.nyu.edu
	Luis Cabral (<i>Economics, NYU Stern</i>)	luis.cabral@nyu.edu
	Robert Seamans (<i>Management & Organizations, NYU Stern</i>)	rseamans.stern.nyu.edu

Professional Service

NYU Stern
Doctoral Student Events Committee (2015)
Doctoral Applications Reviewer (2010)

University of Auckland
Student Representative, University Central Committee, Senate and Equity (2010)
Treasurer, Auckland University Students' Association (2009-10)

Personal	<i>Citizenship</i> : New Zealand <i>Languages</i> : English (Native), Chinese Mandarin (Fluent)
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