Fiona Sijie Feng

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Current	Job Market Candidate, NYU Stern Economics	
PhD Committee	Petra Moser (Chair, *Economics, NYU Stern*)	pmoser@stern.nyu.edu
	Luis Cabral (*Economics, NYU Stern*)	luis.cabral@nyu.edu
	Walker Hanlon (*Economics, NYU Stern*)	whanlon@stern.nyu.edu
	Robert Seamans (*Management & Organizations, NYU Stern*)	rseamans.stern.nyu.edu

Research interests

Innovation and technology, machine learning & natural language processing, urban economics, law and economics, management, labour policy

Education

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

Papers

Measuring the Diffusion of Innovation: A Reassessment of Knowledge Spillovers Using Machine Learning (*Job Market Paper*)

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Abstract: This paper introduces new measures of knowledge spillovers using machine learning/Natural Language Processing (NLP) methods. The existing literature predominantly uses citations data and finds that knowledge spillovers are highly localized. I find evidence from NLP that strategic citations may overstate the localization effect under citations, as highly similar patents from different locations are much less likely to be cited. Under citations, local knowledge spillovers are between approximately 70%-120% higher than non-local spillovers. Using similarity, I find much smaller and sometimes insignificant estimates: the similarity of local patents are approximately 0-10% higher than non-local patents after controlling for technology fields. These findings suggest that using citations may overstate the effect of localization.

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Effect of management and workplace policies on workers' job satisfaction.
State sponsored innovation: Examining government funded technology from past to present.
Maintaining suspicion: Job creation through surveillance and incarceration.
Professionalisation as barrier to entry. *Joint with Karen Huang (Harvard)*

Awards & Fellowships

American Economic Association (AEA) CSWEP Summer Dissertation Fellowship, *Federal Reserve of Minneapolis*	2018

	Policy Research Fellowship, *Internet Association*	2017
	Teaching Commendation for Rating 6.5/7, Introductory Microeconomics, *NYU Stern*	

Conferences

Transatlantic Doctoral Conference, London Business School, London, England	2018
Early Career Economists Conference, Monash University, Melbourne, Australia	
NET Institute Conference (Discussant), NYU Stern, New York, USA	2017
NBER Digitization Tutorial, Stanford University, Palo Alto, USA	

Teaching

NYU Stern UG

Teaching Fellow, Competitive Analysis with Prof. Greg Kubitz (Spring 2017, Spring 2018)

Teaching Fellow, Introductory Microeconomics with Prof. Simon Bowmaker (Fall 2016, Fall 2017)

University of Melbourne

Tutor, Advanced Macroeconomics with Prof. Lawrence Uren (Semester 2, 2012)

Tutor, Intermediate Macroeconomics with Prof. Chris Edmond (Semester 2, 2012)

Tutor, Introductory Macroeconomics (Semester 2, 2011; Semester 1, 2012)

NYU Stern MBA

Teaching Fellow, MBA and EMBA Global Economy with Prof. Stan Zin (Summer 2015, Summer 2016, Summer 2017)

Teaching Fellow, Financial Crisis with Prof. Kim Schoenholtz (Fall 2014)

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

Citizenship: New Zealand

Languages: English (Native), Chinese Mandarin (Fluent)

Programming languages: Python, R, Stata