

Kevin Andrew

CONTACT INFORMATION 116 Toronto Street Unit 2 613-329-1737
Kingston, ON, K7L 4A7 andrewk@econ.queensu.ca
Website: kevinandrewecon.com

RESEARCH INTERESTS Macroeconomics, Firm Dynamics, Innovation, Computational Economics

EDUCATION **Queen's University**, Kingston, ON

Ph.D., Economics, *Expected: Fall, 2017*

Carleton University, Ottawa, ON

M.A., Economics, *November 2011*

Wilfrid Laurier University, Waterloo, ON

B.B.A., School of Business and Economics, *May 2009*

AWARDS

Scholarships

- John Deutsch Institute Doctoral Stipend 2015-2016
- SSHRC Doctoral Scholarship 2013-2015
- Ontario Graduate Scholarship, 2012-2013
- Graduate Entrance Tuition Award, Queen's University 2011-2012
- Queen's Graduate Award 2011-2012
- John McManus Memorial Bursary in Economics Summer 2010
- Carleton University Graduate Scholarship 2010-2011

Teaching Awards

- Nominated for Carleton University T.A. Excellence Award 2011

RESEARCH PAPERS • **Innovation and Firm Growth:**

This paper sheds light on the post-entry dynamics of firms; namely that the mean, variance and skewness of the growth rate distribution is declining in age. I propose endogenous innovation as a mechanism which can capture these facts. Young firms take bigger risks in the innovation process and this, coupled with endogenous exit, leads to the post entry dynamics observed in firm level datasets. Using Compustat and NBER Patent data I present evidence in favour of my mechanism. In particular, I find that the size of the inventive step of a new discovery is decreasing in the age of the firm which patents the innovation.

• **Firm Productivity Over the Life Cycle: A Production Function Approach**

In this paper I construct a measure of firm level productivity and trace out its evolution over the life cycle. I allow productivity to follow a Markov process which depends on age as well as spending on research and development. To do this I estimate a production function using the proxy variable methods of Olley and Pakes (1996). I find that age and research spending have similar effects on the interpretation of firm productivity growth. As well, I argue that controlling for endogenous exit is very important for interpreting productivity growth, in contrast to much of the literature. I argue that a model of firm growth must account for both the sluggish acquisition of factors of production as well as the declining variance of productivity growth.

- **The Decline in US Business Dynamism:**

This paper traces the impacts of a decline in the entry rate on aggregate labour markets and productivity using the framework of Restuccia and Rogerson (2010). A model of firm dynamics with convex hiring costs is calibrated to US firm level data. I examine the effects of distorting entry, exit and labor adjustment through the use of "wedges". I find that the most plausible cause of declining business dynamism is a distortion to the entry margin and that the effect is felt primarily through a decline in aggregate productivity. The labour market effects are minimal. I also emphasize that a shift in the age distribution due to a decline in entry can explain a non-trivial portion of the pre-2000 decline in job creation. In this sense the decline in various measures of "dynamism" are partially due to one phenomena, the shift in the age distribution.

CONFERENCE PRESENTATIONS	<ul style="list-style-type: none"> • Canadian Economics Association - Montreal, Quebec 	2014
TEACHING EXPERIENCE	<p>Teaching Fellow - Queen's University</p> <ul style="list-style-type: none"> • Econ 112 - 1st Year Undergrad Macroeconomics (Online) • Econ 320 - 3rd Year Undergrad Macroeconomics <p>Teaching Assistant - Queen's University (Instructor)</p> <ul style="list-style-type: none"> • Econ 320 - 3rd Year Undergrad Macroeconomics • Econ 816/817 - 1st Year PhD Macroeconomics • Econ 222 - 2nd Year Macroeconomics (Marco Cozzi) • Econ 290 - 2nd Year Environmental Economics (Devon Garvie) <p>Teaching Assistant - Carleton University (Instructor)</p> <ul style="list-style-type: none"> • Econ 2020 - 2nd Year Microeconomics (Maria Sabourin-Jovel) 	<p>Fall 2015 Winter 2014</p> <p>Fall 2013 Fall/Winter 2013-2014 Winter 2012 Fall 2011</p> <p>Fall/Winter 2010-2011</p>
EXTRA- CURRICULAR ACTIVITIES	<ul style="list-style-type: none"> • Captain - QED (Queen's Economics Department) Ice Hockey Team • Captain - QED Volleyball Team • Departmental Steward - CUPE Local 4600 (Carleton University TA Union) <p>Director of International Outreach, Students Offering Support</p> <ul style="list-style-type: none"> • As the first ever director of outreach, developed partnerships with communities in developing countries. • Organized 5 development trips of 30-40 university students and managed a project budget of over \$100,000 	<p>2012-2013 Winter 2013 2010-2011</p> <p>2007-2009</p>
REFERENCE	<p>Allen Head Professor of Economics, RBC Fellow, Associate Head Department of Economics Queen's University</p>	<p>Phone: 613-533-6308 E-mail: heada@econ.queensu.ca</p>