

DONATO A. ONORATO

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EDUCATION	Columbia University , New York, NY <i>Ph.D.</i> University of Pennsylvania , Philadelphia, PA <i>B.A., Summa Cum Laude</i> with Distinction in Mathematical Economics GPA: 3.81 • Major GPA: 3.90	May 2018
RESEARCH EXPERIENCE	MIT , Economics Department <i>Research Assistant</i> Professor Dave Donaldson Opportunity Insights , Harvard University <i>Pre-Doctoral Fellow</i> Professors Raj Chetty, John Friedman and Nathaniel Hendren University of Pennsylvania , Economics Department <i>Research Assistant</i> Professors Hanming Fang and Pinar Yildirim University of Pennsylvania , Leonard Davis Institute <i>Research Assistant</i> Professors Matthew Grennan and Ashley Swanson	August 2020- 202108 July 2018 – July 2020 May 2017 – May 2018 May 2016 – May 2017
INDEPENDENT RESEARCH	University of Pennsylvania , Economics Department <i>Undergraduate Honors Thesis</i> Advisors: Prof. Jere Behrman, Prof. Hanming Fang “Robots, Unions, and Aging: Determinants of Robot Adoption Evidence from OECD Countries” <i>In recent years there has been a growing concern about the labor market changes due to rapid technological advancement in robotics and artificial intelligence. While much of the work focused on industrial robot adoption has looked at its effects on labor market outcomes, there is little empirical work documenting the determinants of this adoption. I analyze the role that aging, unions, and a reliance on automatable industries play in characterizing robot adoption during the period from 2000 to 2015 in 34 countries within the OECD. To motivate my empirical analysis, I develop a simple two sector model that allows the relative supply of young and old labor to affect robot adoption. Using this model as a foundation, I estimate a significant positive relationship between aging and a negative relationship between unions and industrial robot adoption amongst OECD countries. Based on the model, these estimates suggest that a labor force aging shock would increase the demand for robots. The relationship documented is robust to various time periods, definitions of robot adoption, and characterizations of young and old workers.</i>	September 2017 – May 2018
PUBLICATIONS	Onorato, Donato A., “Robots, Unions, and Aging: Determinants of Robot Adoption Evidence from OECD Countries,” <i>Atlantic Economic Journal</i> (2018), vol. 46, no. 4, pp. 473–474. https://doi.org/10.1007/s11293-018-9599-1	
PRESENTATIONS	87th International Atlantic Economic Conference, New York City, October 2018.	
AWARDS & HONORS	Dean’s List, University of Pennsylvania Phi Beta Kappa, University of Pennsylvania Finalist, Best Undergraduate Thesis Competition International Atlantic Economic Society.	2015 – 2018 2018 2018
SKILLS	PROGRAMMING STATA, R, Python, SAS, D3 TECHNICAL L ^A T _E X, Microsoft Office	
CLEARANCES	US Census Bureau Special Sworn Status (SSS)	

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