

# IGNACIO CIGLIUTTI

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441 E 20th St, New York, NY 10010

## EDUCATION

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### **New York University**

PhD – Econometrics & Quantitative Economics

Fields: Econometrics, Labor Economics, Macroeconomics

Full funding under McCracken Fellowship

*August 2017–May 2023 (expected)*

GPA: 3.9/4

### **Universidad Torcuato di Tella**

Masters – Economics & Econometrics

Full funding from Department of Economics (Bachelors GPA)

*March 2015–December 2016*

GPA: 9.67/10

### **Universidad Torcuato di Tella**

Bachelors – Economics

Awarded best BA dissertation (2015)

Full funding from Department of Economics (High school GPA)

*March 2010–December 2014*

GPA: 9.21/10

## TECHNICAL STRENGTHS

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**MatLab, Stata** (proficient), **Python, Julia** (advanced), **R, SQL** (intermediate)

## WORK EXPERIENCE

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### **New York University**

*Graduate Research Assistant*

*May 2018–Present*

- + Development of machine learning techniques for estimation of large economic models: Data processing and estimation of Generative Adversarial Networks in high-performance computers
- + Extensive data analysis of microdata in Germany: Handling of large datasets with millions of observations and 100+ variables. Estimation of life-cycle earning profiles and development of a new economic model which delivered predictions in line with the data. Estimation of the impact of different policies on earnings dynamics and wage inequality.

### **New York University**

*Graduate Teaching Assistant (PhD)*

*January 2019–June 2019*

- + Selected after achieving the highest score in econometrics examinations.
- + In charge of recitations of 1st year PhD course in Econometrics, covering topics of time series analysis, causal inference, Bayesian econometrics and numerical optimization.

### **Universidad Torcuato di Tella**

*Graduate Research Assistant*

*January 2016–June 2017*

- + Launched leading indicator of economic activity, constructed for prediction of business cycle turns. Composed monthly reports.
- + Statistical analysis of hundreds of variables to optimize out-of-sample prediction.

## RESEARCH

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### **Adversarial Method of Moments**

*with Elena Manresa*

Study **Generative Adversarial Networks** for estimation of models based on moment conditions. Theoretically, provide finite-sample and asymptotic properties by linking our estimator with GEL estimators. Using **Monte Carlo simulations**, demonstrate the estimator's performance in models of industrial organization and labor economics.

### **CCTs: Measuring the Impact on Education**

*with Maria Echeverri, Facundo Golinsky, Agustin Gutierrez, Marcos Sora*

Use **synthetic control methods** to study the effectiveness of Asignacion Universal por Hijo (AUH) in Argentina, a Conditional Cash Transfer (CCT) program which was intended to promote high-school enrollment of low-income households. Find policy to be significant and increasing in time. Validate the results with a **Difference-in-Difference** approach and a placebo test.

### **Occupational Networks**

Using data on occupation flows, I apply **community detection algorithms** to quantify the information embedded in job-to-job transitions. I provide evidence that occupations within communities have similar skill requirements, and that different communities describe different job ladders. I apply this method across to assess the role of skill-biased technological change on wage inequality.

## WORKSHOPS

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2022 CSML Princeton DataX Workshop: Synthetic Control Methods

2022 UC Berkley Simons Institute: Adversarial Approaches in Machine Learning

2021 UChicago Booth: Machine Learning in Economics Summer Institute

2021 IMSI: Introduction to Mean Field Games and Applications Summer School

2019 BCF Princeton Initiative: Money, Macro & Finance

## ADDITIONAL INFORMATION

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<b>Reading Groups</b>	(Co-organizer) Reinforcement Learning, Applied Micro, Macroeconomics
<b>Languages</b>	Spanish (native), English (proficient), Portuguese (beginner)
<b>Voluntary Work</b>	SuperarME Microcreditos, Un Techo para mi Pais
<b>Other</b>	Captain of La Scaloneta FC, Half-marathon runner, Big supporter of San Lorenzo de Almagro, Born and raised in Tierra del Fuego

## WEBSITES

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**Github** <https://github.com/nachocigliutti>

**LinkedIn** <https://www.linkedin.com/in/nachocigliutti>