MATTEO IUDICE

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EDUCATION

Brown University, Ph.D. in Economics	*May 2016 - Feb 2022*
Brown University, M.A. in Economics	*Aug 2015 - May 2016*
Bocconi University, M.Sc. in Economics and Social Sciences	*Sep 2011 - Mar 2014*
Bocconi University, B.Sc. in Finance	*Sep 2008 - Sep 2011*

WORK EXPERIENCE

Amazon, *Boston, MA*, *Economist II – Perfect Order Experience, PSC*　　　　Aug 2023 - present
- Using causal inference to answer business questions related to product quality and safety

Amazon, *Seattle, WA*, *Economist II – CoreAI, Product Safety and Compliance*　　Mar 2022 - Aug 2023
- Evaluated the impact of product compliance / content moderation policies using causal inference models, such as Synthetic DID. Independently pulled and transformed the required data using SQL, Spark
- Contributed to developing new policies to improve product safety
- Launched an onboarding bootcamp for all economists joining the company, in collaboration with Amazon Science

Amazon, *Seattle, WA*, *Economist Intern – Core AI*　　　　　　　　　　　May 2021 - Jul 2021
- Produced a short research paper (and a companion business-facing document) on product safety. Results have been obtained using Difference in Differences (DID) with Coarsened Exact Matching (CEM), Propensity Score Matching (PSM), and Double/Debiased Machine Learning (DML). The analysis required handling large dataset using Spark, SQL, and AWS remote computing

Amazon, *Seattle, WA*, *Economist Intern – Workforce Intelligence*　　　　　Jun 2020 - Aug 2020
- Produced a short research paper (and a companion business-facing document) describing the impact of COVID-19 on Amazon's workforce, using Difference in Differences (DID); presented my findings to economist and non-economist stakeholders

Brown University, *Providence, RI*, *Teaching and Research Assistant*　　　　Jun 2016 - Dec 2021
- TA duties included coordinating a group of 8 TAs, holding weekly sections and office hours, grading hundreds of tests
- As an RA for Prof. Michalopoulos, I used African census data to explore: (i) inequality in education along religious or ethnic lines, and (ii) the role played by political representation of ethnic groups in the intergenerational transmission of culture
- As an RA for Prof. Eggertsson, I worked on hyperinflation crises: the project involved digitizing time series of macroeconomic indicators to calibrate a toy model that accounts for hyperinflation

National University of Singapore, *Singapore, SG*, *Visiting Fellow*　　　　　　　Jul 2015
- Led a technical workshop on the firm-level competitiveness analysis toolbox used while working at the European Central Bank

European Central Bank, *Frankfurt am Main, DE*, *Junior Consultant*　　　　May 2014 - Apr 2015
- Published one ECB WP (with co-authors)
- Facilitated the collection of confidential firm-level data from the 27 national central banks of Europe, which involved continuous collaboration with the national teams

**Intl. Ctr. for Learning, Attention and Hyperactivity disorders, *Milan, IT*　　Sep 2013 - Sep 2014
- Led the statistical and econometric analysis of a database containing the results of the TDLS test performed by dyslexic children. I worked with by Prof. G. A. Chiarenza and his team

SKILLS

Data Analysis	R, Python, SQL, Spark, TensorFlow, Stata
Software & Tools	AWS, S3, Sagemaker, UNIX server, GIS, LaTeX, MS Office
Project Management	Agile, Scrum
Languages	Italian (native), English (fluent), French (advanced), German (elementary)