

OCTAVIA GHELFI, PHD

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CODING

PYTHON · R · SPARK · SQL

LANGUAGES

ENGLISH · ITALIAN (NATIVE) · SPANISH
(NATIVE) · FRENCH

RESEARCH INTERESTS

STRUCTURAL ECONOMICS · AUCTION THEORY
· CAUSAL INFERENCE

PROFESSIONAL EXPERIENCE

2023-Current **Senior Economist, Amazon**
Auctions Team - Advertising

2022-2023 **Economist II, Amazon**
Ads Economics Team

2021-2022 **Economist, Amazon**
Ads Economics Team

EDUCATION

2015-2021 **PhD in Econometrics and Quantitative Economics**
New York University
Advisors: Alfred Galichon, Alessandro Lizzeri, Alberto Bisin

2015 **M.Sc. in Economics and Social Sciences**, Summa cum Laude
Università Bocconi, Milan, Italy

2012 **B.A. in Economics and Finance**
Università Bocconi, Milan, Italy

TEACHING & RESEARCH POSITIONS

2019, Fall Teaching Assistant for Game Theory and Strategy, B.A.

2018 Research Assistant for Alfred Galichon

2018, Fall Teaching Assistant for Intermediate Microeconomics, B.A.

2018, Spring Teaching Assistant for Microeconomic Theory, M.A.

2018, Spring Teaching Assistant, Math, Econ and Code Masterclass (MEC)

2017, Fall Teaching Assistant for Intermediate Microeconomics, B.A.

2017, Spring Teaching Assistant for Microeconomic Theory, M.A.

RESEARCH PAPERS

Economics Letters 2023 - “Stable and Extremely Unequal”

We show how stability as a solution concept in matching often comes at the cost of extreme forms on inequality. Restricting our attention to aligned preferences, we show that the stable matching results from the lexicographic welfare maximization of the pairs' welfare, starting with the best-off. We compare this solution with an alternative allocation, that although unstable, maximizes the welfare lexicographically starting with the most disadvantaged pairs.

Matching in Clusters - JMP

Study of the interdependent relationship between matching and the network in which the matching takes place.

The Long-Term Effects of “Separate but Equal” on Social Networks

The goal of this paper is to quantify the long-term effects on exposure to different ethnicities caused by the “separate but equal” doctrine.

CERTIFICATES

2023 - Data Science in Python - Coursera
2021 - Applied Machine Learning - Columbia University
2020 - Introduction to Machine Learning - Coursera

CONFERENCES

2019, November
Southern Economics Association (SEA)
Fort Lauderdale, Florida, USA

2019, August
Young Economists Symposium (YES)
Columbia University, New York, NY , USA

2019, July
Society for the Advancement of Economic Theory (SEAT)
Ischia, Italy

2019, May
Kansas Workshop in Economic Theory (KWET)
Kansas University, Kansas, USA

AWARDS

2015 – 2021 McCracken Fellowship