# Giuseppe Germinario

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| **DOCTORAL STUDIES** | Syracuse University<br>PhD, Economics, Expected completion May 2022<br>DISSERTATION: "Essays on Health Economics and Applied Econometrics"<br><br>DISSERTATION COMMITTEE AND REFERENCES |

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|---|---|
| Alfonso Flores-Lagunes (Chair)<br>Professor of Economics<br>Syracuse University<br>afloresl@syr.edu<br>+1 (315) 443-1081 | Hugo Jales<br>Assistant Professor of Economics<br>Syracuse University<br>hbjales@syr.edu<br>+1 (315) 412-8764 |

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| **PRIOR EDUCATION** | George Mason University<br>    BS in Economics and Mathematics (minor) | 2017 |
| **CITIZENSHIP** | United States | |
| **LANGUAGES** | English (native), Italian (conversational), Spanish (beginner) | |
| **FIELDS** | Primary Fields: Health Economics, Applied Econometrics<br>Secondary Fields: Labor Economics, Public Economics | |
| **TEACHING EXPERIENCE** | Intermediate Microeconomics (undergrad, Syracuse University)<br>    Primary Instructor | 2019 |
| | Economics of Family Decisions (undergrad, Syracuse University)<br>    Teaching Assistant to Prof. Emily Wiemers | 2021 |
| | Environmental and Resource Economics (undergrad, SU)<br>    Teaching Assistant to Prof. Carmen Carrión-Flores | 2020, 21 |
| | Labor Economics (undergrad, SU)<br>    Teaching Assistant to Prof. Alfonso Flores-Lagunes | 2019 |
| | Intermediate Mathematical Microeconomics (undergrad, SU)<br>    Teaching Assistant to Prof. Leyla D. Karakas | 2019 |

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|---|---|---|
| | Principles of Microeconomics (undergrad, SU) | 2017-18 |
| | Teaching Assistant to Prof. Elizabeth Ashby | |

**RESEARCH EXPERIENCE**  Research Assistant to Prof. Alfonso Flores-Lagunes  2019-21
Syracuse University, Center for Policy Research

**AWARDS**  Graduate Assistantship, Syracuse University  2017-21

**CONFERENCE & SEMINAR PRESENTATIONS**
Syracuse University (Graduate Student Workshop, scheduled)  2021
Syracuse University (Graduate Labor Group Seminar)  2018-21
Syracuse University (Graduate Education & Social Policy Seminar)  2021

**RESEARCH PAPERS**

**"A Voucher a Day Keeps the Doctor Away: Bounding the Effect of Housing Assistance on Recipients' Health" (Job Market Paper)**
Selection bias and a lack of compelling exogenous variation in program administration make it difficult to point identify causal impacts of housing vouchers using cross-sections of observational data. Instead, I exploit an assumption of negative selection into the voucher program, an assumption of monotone treatment response, and a monotone instrumental variable to obtain nonparametric bounds on the effect of housing vouchers on the health of individuals in recipient households. My preferred estimates find that the causal effect is positive and statistically significant, with the likelihood of good or better self-reported health status increased by at least 4.8 percentage points and at most 21.3 percentage points. Among Black members of voucher households, I estimate a larger lower bound of 11.7 percentage points, hinting that the effect on health is potentially larger for this subpopulation.

**"What Can We Learn About the Effect of Mental Health on Labor Market Outcomes Under Weak Assumptions? Evidence from the NLSY79."** (with Vikesh Amin, Carlos Flores, and Alfonso Flores-Lagunes). Submitted at *Labour Economics*.
We employ a nonparametric partial identification approach to bound the causal effect of poor mental health on employment and earnings using the National Longitudinal Study of Youth 1979. Our approach allows us to provide bounds on the population average treatment effect based on relatively weak, credible assumptions. We also provide insights into the heterogeneity of the effects on labor market outcomes at different levels of adverse mental health experienced (no-to-mild, moderate, and severe depressive symptoms). We find that (1) being categorized as depressed decreases employment by 10% and earnings by 27% at most, but we cannot statistically rule out a zero effect, and (2) going from no-to-mild to severe depressive symptoms reduces employment by 2-16% and earnings by 8-37%, with both estimated bounds statistically ruling out a zero effect.

**RESEARCH IN PROGRESS**

**"The Use of Polygenic Scores as Monotone Instrumental Variables"** (with Vikesh Amin, Carlos Flores, and Alfonso Flores-Lagunes)
Researchers are increasingly using polygenic scores (PGSs)—summary measures of genetic predisposition—as instruments to identify causal effects, but they are unlikely to satisfy the exclusion restriction. We propose the use of PGSs as a monotone instrumental variable (MIV) within the nonparametric partial identification framework of Manski and Pepper (2000). Under the MIV

assumption—that PGSs have a monotone (weakly increasing or decreasing) relationship with the outcome—they can help bound the causal effect of interest together with weak monotonicity assumptions regarding treatment selection and response. We provide an exposition of the Manski and Pepper (2000) framework and assumptions. We illustrate the use of PGSs in this setting with three empirical applications.

**"mpclr: A Command for Bias-Corrected Estimation and Valid Inference for Nonparametric Bounds on Treatment Effects"** (with Carlos Flores and Alfonso Flores-Lagunes)

**"Fuzzy Spatial RDD with Bounded Measurement Error in the Running Variable"**