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#### **PLACEMENT DIRECTORS**

Prof. Guido Kuersteiner	<a href="mailto:gkuerste@umd.edu">gkuerste@umd.edu</a>	(301) 405-3493
Prof. Katharine Abraham	<a href="mailto:kabraham@umd.edu">kabraham@umd.edu</a>	(301) 405-3489
Prof. Nolan Pope	<a href="mailto:npope@umd.edu">npope@umd.edu</a>	(801) 995-9184

#### **EDUCATION**

Ph.D. Economics, University of Maryland at College Park, expected May 2021  
M.A. Economics, University of Maryland at College Park, 2018  
M.A. Economics, Delhi School of Economics, University of Delhi, Delhi, 2013  
B.A. Economics, Shri Ram College of Commerce, University of Delhi, Delhi, 2011

#### **FIELDS OF SPECIALIZATION**

Primary: Labor Economics  
Secondary: Econometrics

#### **DISSERTATION**

*Essays on Preference Estimation, Schooling Outcomes and Segregation*

Committee: Prof. Guido Kuersteiner (Chair), Prof. Sergio Urzua (Co-Chair), Prof. Nolan Pope

#### **JOB MARKET PAPER**

“Preference Estimation in Deferred Acceptance with Partial School Rankings”

The Deferred Acceptance algorithm is a popular school allocation mechanism thanks to its strategy proofness. However, with application costs, strategy proofness fails, leading to an identification problem. In this paper, I address this identification problem by developing a new Threshold Rank framework that models the entire rank order list as a one-step utility maximization problem. I apply this model to study student assignments in Chile. There are three critical contributions of the paper. I develop a recursive algorithm to compute the likelihood of my one-step decision model. Partial identification is addressed by incorporating the outside value and the expected probability of admission into a linear cost framework. The empirical application reveals that although school proximity is a vital variable in school choice, student ability is critical for ranking high academic score schools. Simulation exercises suggest that policy interventions such as tutoring aimed at improving student ability increase the representation of low-income low-ability students in better quality schools.

#### **OTHER RESEARCH PAPERS**

“Centralized Admission Systems and School Segregation: Evidence from a National Reform,” *IZA Discussion Paper No. 13305*, with Macarena Kutscher and Sergio Urzua

“When Is Not Safe to Go Outside: Implications of Rising Conflict on Female Physical Mobility in Afghanistan,” working paper, with Cesar Cancho and Christina Wieser

“Explaining Third Birth Patterns in India: Causal Effect of Sibling Sex Composition,” working paper

“Causal Inference for Deferred Acceptance Algorithms,” work in progress, with Guido Kuersteiner and Sergio Urzua

“Impact of Classroom Networks on High School Outcomes in Chile,” work in progress

### TEACHING EXPERIENCE

Instructor, Economic Development of Underdeveloped Areas (undergraduate), University of Maryland, Fall 2017, Winter 2018, Spring 2018 and Spring 2020  
Instructor, Math camp (graduate), University of Maryland, Summer 2018 and Summer 2019  
Instructor, Intermediate Microeconomics (undergraduate), University of Maryland, Winter 2017  
Assistant Instructor, Math camp (graduate), University of Maryland, Summer 2017  
Teaching Assistant, Environment Economics (undergraduate), University of Maryland, Fall 2019  
Teaching Assistant, Labor Economics (undergraduate), University of Maryland, Spring 2017  
Teaching Assistant, Intermediate Microeconomics (undergraduate), University of Maryland, Fall 2016  
Teaching Assistant, Intermediate Macroeconomics (undergraduate), University of Maryland, Fall 2015 and Spring 2016

### RESEARCH AND RELEVANT WORK EXPERIENCE

Short Term Consultant, Afghanistan group, World Bank, Summer 2019, Winter 2020 and Summer 2020  
Research Assistant, Prof. Guido Kuersteiner, University of Maryland, Fall 2018 and Spring 2019  
Economist, Treasury Research Group, ICICI Bank, Mumbai, 2013-2015  
Summer Intern, Reserve Bank of India, Summer 2012

### GRANTS AND AWARDS

Jacob K. Goldhaber Travel Grant, University of Maryland, 2020  
International Conference Student Support Award (ICSSA), University of Maryland, 2020  
K.P. and Jayalakshmi Mudappa Graduate Award, University of Maryland, 2015  
Prof Balvir and Ranjana Singh Memorial Scholarship, Delhi School of Economics, 2012  
Academic Excellence Award, Shri Ram College of Commerce, 2009 and 2011

### CONFERENCE AND SEMINAR PRESENTATIONS

2020: EALE/SOLE/AASLE World conference

### PROFESSIONAL SERVICE

Referee for *Economia*

### LANGUAGES

English (fluent), Hindi (fluent), Bengali (fluent)

### COMPUTATIONAL SKILLS

Matlab, R, Stata, QGIS

### REFERENCES

Prof. Guido Kuersteiner	University of Maryland	<a href="mailto:gkuerste@umd.edu">gkuerste@umd.edu</a>	(301) 405-3493
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