

Désiré Kédagni

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RESEARCH INTERESTS

Econometrics, Causal Inference, Development Economics

APPOINTMENTS AND AFFILIATIONS

University of North Carolina at Chapel Hill (UNC), USA

Assistant Professor of Economics

July 2022–

Carolina Population Center Fellow

July 2022–

Iowa State University (ISU), USA

Assistant Professor of Economics

August 2018–May 2022

EDUCATION

Ph.D. in Economics, The Pennsylvania State University (PSU), USA

2018

Dissertation Title: *Testing Instrument validity and Identification with Invalid Instruments*

Committee: Marc Henry (chair), Joris Pinkse, Kala Krishna, Ismael Mourifié, Kari Lock Morgan

M.Sc. in Economics, University of Montreal (UdeM), Canada

2015

M.Sc. in Statistics and Applied Economics, ISSEA, Yaounde, Cameroon

2011

B.Sc. in Economics, University of Abomey-Calavi, Benin

2008

B.Sc. in Statistics, University of Abomey-Calavi, Benin

2007

ACCEPTED AND PUBLISHED PAPERS

“Testing Identifying Assumptions in Bivariate Probit Models,” (with Santiago Acerenza and Otávio Bartalotti) *Economics Working Papers*: Department of Economics, Iowa State University. 21003. **Journal of Applied Econometrics**, accepted.

“Identifying Marginal Treatment Effects in the Presence of Sample Selection,” (with Otávio Bartalotti and Vítor Possebom). *Economics Working Papers*: Department of Economics, Iowa State University. 19016. **Journal of Econometrics**, forthcoming.

This paper received the Brazilian Econometric Society (SBE) 2020 Best Econometrics paper Award.

“Nonparametric Bounds on Treatment Effects with Imperfect Instruments,” (with Kyunghoon Ban) *Economics Working Papers*: Department of Economics, Iowa State University. 20019. **The Econometrics Journal** (2022), volume 25, Issue 2, pp. 477–493.

“Identifying Treatment Effects in the Presence of Confounded Types.” *Economics Working Papers*: Department of Economics, Iowa State University. 18014. **Journal of Econometrics**, forthcoming.

This paper received *Honorable Mention* for the PhD student paper at the 2018 IAAE Conference.

“Does Class Size Matter? How, and at What Cost?” (with Kala Krishna, Rigissa Megalokonomou and Yingyan Zhao). NBER Working Paper No. 25736. **European Economic Review** 133 (2021) 103664.

“Generalized Instrumental Inequalities: Testing the Instrumental Variable Independence Assumption,” (with Ismael Mourifié), **Biometrika** (2020), 107(3) pp. 661-675.

“Tightening Bounds in Triangular Systems,” (with Ismael Mourifié), **Economics Letters** 125 (3) (Dec., 2014) pp. 455-458.

WORKING PAPERS

“Misclassification in Difference-in-Differences Models,” 2022 (with Augustine Denteh)

“Correcting Attrition Bias using Changes-in-Changes,” 2022 (with Dalia Ghanem, Sarojini Hirshleifer, and Karen Ortiz-Becerra). Revise and Resubmit **Journal of Econometrics**

“Marginal Treatment Effects with Misclassified Treatment,” 2021 (with Santiago Acerenza and Kyunghoon Ban)

“Discordant Relaxations of Misspecified Models,” 2020 (with Lixiong Li and Ismael Mourifié). *cemmap* working paper CWP19/21. Revise and Resubmit **Quantitative Economics**

RESEARCH IN PROGRESS

“Generalized Difference-in-Differences Models: Robust Bounds” (with Kyunghoon Ban)

“Testing Identifying Assumptions in Structural Models” (with Leonard Goff)

TEACHING EXPERIENCE

- **Instructor**

Fall 2022: Advanced Econometrics (Econ 870), Graduate (Ph.D.); Econometrics (Econ 470), Undergraduate, UNC

Fall 2021: Introduction to Econometrics (Econ 371), Undergraduate, Iowa State

Spring 2021, 2022: Intermediate Econometrics (Econ 571), Graduate (M.Sc.), Iowa State

Spring 2020: Introduction to Econometrics (Econ 371), Undergraduate; Econometrics II (Econ 672), Graduate (Ph.D.), Iowa State

Spring 2019: Game Theory (Econ 418), Undergraduate, Iowa State

Fall 2018, 2019, 2020, 2021: Econometrics I (Econ 671), Graduate (Ph.D.), Iowa State

Fall 2014: Econometrics I (ECN 1260-A), Undergraduate, UdeM

Fall 2013: Mathematics for Economic Analysis I (ECN 1070-A), Undergraduate, UdeM

- **Teaching Assistant**

Fall 2017, Spring 2018: International Economics (Econ 333), Undergraduate, PSU

Spring 2017: Growth and Development (Econ 471), Undergraduate, PSU

Fall 2015, 2016: Money and Banking (Econ 351), Undergraduate, PSU

Spring 2015: Economics of Public Expenditures (Econ 425), Undergraduate, PSU

Fall 2013, 2014: Elements of Microeconomics (ECN 6013), Graduate, UdeM

INVITED SEMINARS AND CONFERENCES

2022: University of Georgia; Wharton (statistics); UC Berkeley, Simons Institute Workshop on Quantum Physics and Statistical Causal Models, April 25 – 29; SEA (scheduled), University of Massachusetts Amherst, Sectional Meeting of the American Mathematical Society on Recent Advances in Causal Inference, October 1–2 (scheduled); 2022 CEME Conference for Young Econometricians, Duke (scheduled), Center for Statistics and the Social Sciences at University of Washington (scheduled).

2021: North American Winter Meeting of the Econometric Society, Virtual (Poster session); UNC-Chapel Hill; University of Massachusetts Amherst (Statistics); Syracuse University; Tilburg University; North American Summer Meeting of the Econometric Society; Africa Meeting of the Econometric Society; International Association for Applied Econometrics Annual Conference; Duke University; Annual Health Econometrics Workshop (discussant); LACEA LAMES Annual Meeting; University of Iowa; Cornell University; SUNY Albany; Southern Economic Association (SEA); Harvard-MIT; University of Rochester.

2020: North American Winter Meeting of the Econometric Society, San Diego (Poster session), The Bocconi University/Econometric Society 2020 Virtual World Congress (session chair), UC Davis ARE.

2019: Microeconometrics class of 2018 conference, Duke, Durham.

2018: 35th Meeting of the Canadian Econometric Study Group, Ottawa; Federal Trade Commission, Washington D.C.; Africa Meeting of the Econometric Society, Cotonou; International Association for Applied Econometrics Annual Conference, Montreal; Iowa State; SUNY-Binghamton; Tulane; Warwick; Wisconsin-Milwaukee; San Diego State.

2017: 12th Annual Economics Graduate Student Conference, Washington University in St. Louis; University of Toronto; 34th Meeting of the Canadian Econometric Study Group, Toronto (Poster session); Annual Penn State-Cornell macroeconomics Conference, Cornell University, Ithaca.

2016: 50th Canadian Economic Association Annual Conference, Ottawa (session chair); 56th Annual Congress of the Canadian Economic Society, Quebec; 12th Ph.D. Students' Conference, CIREQ, Montreal.

2015: 11th Ph.D. Students' Conference, CIREQ, Montreal.

SCHOLARSHIPS AND AWARDS

2015-2018: Graduate Assistantship (TA), PSU

Spring 2016: Bates White Scholarship, PSU

2011-2014: Graduate Assistantship, UdeM

2008-2011: M.Sc. Scholarship from the Odon Vallet Foundation

2008-2011: M.Sc. Scholarship from the Government of Benin

REFEREE / REVIEWER ACTIVITIES

Journal of Applied Econometrics, Journal of Econometrics, Journal of Business & Economic Statistics, Journal of Political Economy, Oxford Bulletin of Economics and Statistics, Chapman & Hall/CRC, National Science Foundation, Journal of Commodity Markets, Annals of Economics and Statistics, BMC Medical Research Methodology, Health Economics, Economics of Education Review

ADVISING & SERVICES

Ph.D. students committee:

Iowa State: Graduation year and first placement:

2022: Nieyan Cheng (2nd reader, China University of Petroleum Beijing), Miracle-Rose Toppar (Ripon College)

2021: Seung Jin Cho (Korea Institute for International Economic Policy), Seungki Lee (Ohio State University), Raj Chandra (Amazon), Santiago Acerenza (Co-advisor, Universidad ORT Uruguay)

2020: Wendiam Sawadgo (University of Auburn), Niklaus Julius (The Lewin Group), Sher Afghan Asad (Lahore University of Management Sciences, Pakistan)

In progress: Kyunghoon Ban (Co-advisor), Behzad Jeddi, Kunwon Ahn, Eseul Choi, Xinyu Guo, Mohamed Salat

Recruiting Committee (Lecturer / Senior Lecturer), Spring 2019, Iowa State

Department Seminars Committee 2019-20, 2020-21, Iowa State

Program Committee Member:

2020 Econometric Society World Congress: Microeconometrics Evaluator

2021 Africa Meeting of the Econometric Society: Microeconometrics/Applied Econometrics Evaluator

National Science Foundation: Guest Panelist

Junior Fellow of the Pan-African Scientific Research Council (PASRC)

LANGUAGES

French (native), English (fluent)

Last update: July, 2022