

## **Arnaud MAUREL**

Duke University  
Department of Economics  
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Date of Birth: August 23, 1983  
French citizenship, U.S. permanent resident  
Married, two children

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### **EMPLOYMENT AND AFFILIATIONS:**

Duke University, Department of Economics, Associate Professor (with tenure), July 2020 - .  
Assistant Professor, July 2011-June 2020.

National Bureau of Economic Research (Labor Studies), Research Associate, September 2020 - .  
Faculty Research Fellow, May 2013 - September 2020.

Institute for the Study of Labor (IZA)  
Research Fellow, December 2011 - .  
Research Affiliate, August 2008 - December 2011.

Duke University Population Research Institute, Research Affiliate, February 2012 - .

Institut des Politiques Publiques, Research Affiliate, May 2012 - .

National School of Statistics and Economic Administration (ENSAE, Paris), Teaching Assistant  
In charge of the teaching department in Microeconomics, September 2007- July 2010.

### **EDITORIAL RESPONSIBILITIES:**

Co-Editor, *Annals of Economics and Statistics*, 2019 - .

Associate Editor, *Quantitative Economics*, 2021 - .

Associate Editor, *Journal of Business and Economic Statistics*, 2022 - .

Guest Editor, Special issue on Advances in Structural Microeconometrics (with Thierry Magnac and Matt Shum),  
*Annals of Economics and Statistics* (June 2021).

### **EDUCATION:**

PhD in Economics, Paris School of Economics and CREST, March 2010.

M.S. in Economics, Paris School of Economics (Master APE), June 2006.

M.S. in Statistics and Economics, ENSAE, June 2006.

B.S. in Pure Mathematics, University Pierre et Marie Curie (Paris VI), June 2004.

**FIELDS OF INTEREST:** Labor Economics/Education and Microeconometrics.

### **PUBLICATIONS**

#### **ARTICLES:**

14) «Informational Content of Factor Structures in Simultaneous Binary Response Models» (with Shakeeb Khan and Yichong Zhang), March 2022. Revised version of NBER Working Paper 28327, *Forthcoming, Advances in Econometrics*.

13) «Changes Across Cohorts in the Wage Returns to Schooling and Early Work Experiences » (with Jared Ashworth, V. Joseph Hotz and Tyler Ransom), *Journal of Labor Economics*, **39** (4): 931-964 (2021).

12) «Rationalizing Rational Expectations: Characterizations and Tests» (with Xavier D'Haultfoeuille and Christophe Gaillac), *Quantitative Economics*, **12** (3): 817-842 (2021).

11) « Introduction to the Special Issue on Advances in Structural Microeconometrics » (with Thierry Magnac and Matt Shum), *Annals of Economics and Statistics*, **142**: 1-4 (2021).

10) «Estimating the Value of Higher Education Financial Aid: Evidence from a Field Experiment» (with Christian Belzil and Modibo Sidibe), *Journal of Labor Economics*, **39**(2): 361-395 (2021).

9) «Ex Ante Returns and Occupational Choice» (with Peter Arcidiacono, V. Joseph Hotz and Teresa Romano), *Journal of Political Economy*, **128** (12): 4475-4522 (2020).

8) «Estimating Selection Models without Instrument with Stata» (with Xavier D'Haultfoeuille, Xiaoyun Qiu and Yichong Zhang), *Stata Journal*, **20**(2): 297-308 (2020).

7) «Extremal Quantile Regressions for Selection Models and the Black-White Wage Gap» (with Xavier D'Haultfoeuille and Yichong Zhang), *Journal of Econometrics*, **203**(1): 129-142 (2018).

6) «The Career Prospects of Overeducated Americans» (with Brian Clark and Clement Joubert), *IZA Journal of Labor Economics*, 6:3 (2017).

5) «Inference on an Extended Roy Model, with an Application to Schooling Decisions in France» (with Xavier D'Haultfoeuille), *Journal of Econometrics*, **174**(2): 95-106 (2013).

**Winner of the 2015 Dennis J. Aigner Award (Most significant contribution in empirical econometrics published by the Journal of Econometrics in 2013 or 2014).**

4) «Another Look at the Identification at Infinity of Sample Selection Models » (with Xavier D'Haultfoeuille), *Econometric Theory*, **29**(1): 213-224 (2013).

3) «Choosing the Field of Study in Postsecondary Education: Do Expected Earnings Matter? » (with Magali Beffy and Denis Fougère), *Review of Economics and Statistics*, **94**(1): 334-347 (2012).

2) «The Effect of Employment while in High School on Educational Attainment: a Conditional Difference-in-Differences Approach » (with Franz Buscha, Lionel Page and Stefan Speckesser), *Oxford Bulletin of Economics and Statistics*, **74**(3): 380-396 (2012).

1) «The Effect of Part-Time Work on Post-Secondary Educational Attainment» (with Magali Beffy and Denis Fougère) *Economie et Statistique*, **422**: 31-50 (2009).

#### **BOOK CHAPTERS:**

2) «The Analysis of Field Choice in College and Graduate School: Determinants and Wage Effects» (with Joe Altonji and Peter Arcidiacono), In *Handbook of the Economics of Education, Vol. 5*, edited by Eric A. Hanushek, Stephen Machin and Ludger Woessmann. Amsterdam: North Holland, 305-396 (2016).

1) «Quels sont les Déterminants des Choix d'Orientation dans l'Enseignement Supérieur?» in *Regards Croisés sur l'Economie*, vol. 1, No. 16, 69-79 (2015).

#### **WORKING PAPERS AND SELECTED WORK IN PROGRESS:**

1) «Partially Linear Models under Data Combination » (with Xavier D'Haultfoeuille and Christophe Gaillac), April 2022. *Under Review*.

- 2) «College Attrition and the Dynamics of Information Revelation» (with Peter Arcidiacono, Esteban Aucejo and Tyler Ransom), NBER Working Paper 22325, May 2016, *Revise and Resubmit, Journal of Political Economy*.
- 3) «Conditional Choice Probability Estimation of Continuous-Time Job Search Models» (with Peter Arcidiacono, Attila Gyetvai and Ekaterina Jardim).
- 4) «Heterogeneity, Uncertainty and Learning: A Semiparametric Identification Analysis » (with Jackson Bunting and Paul Diegert).
- 5) «Skills, Mismatch and Labor Market Search » (with Ciprian Domnisoru, Andrew Shephard and Pengpeng Xiao).
- 6) «Opportunity Cost of Time and the Design of College Admission Mechanisms » (with Olivier De Groote, Anais Fabre and Margaux Luflade).

#### **PACKAGES:**

Companion R package to «Partially Linear Models under Data Combination » (RegCombin, with X. D'Haultfoeuille and C. Gaillac).

Companion R package to «Rationalizing Rational Expectations: Characterizations and Tests» (RationalExp, with X. D'Haultfoeuille and C. Gaillac).

Companion Stata package to «Estimating Selection Models without Instrument with Stata» (eqregsel, with X. D'Haultfoeuille, X.Qiu and Y. Zhang).

#### **POLICY AND POPULAR WRITINGS:**

«Changes across Cohorts in Wage Returns to Schooling and Early Work Experiences» (with Jared Ashworth, V. Joseph Hotz and Tyler Ransom), VoxEU, April 2018.

«The Career Prospects of Overeducated Americans» (with Brian Clark and Clement Joubert), VoxEU, November 2014.

#### **GRANTS, AWARDS AND FELLOWSHIPS:**

NSF Award SES-2116400, « CCP Estimation of Continuous-Time Job Search Models » (with P. Arcidiacono), 2021-2023, \$393,186.

Duke University Population Research Institute - NIH, Developmental Award, « Fertility and Uncertainty », 2016-2017.

Dennis J. Aigner Award for Applied Econometrics, *Journal of Econometrics*, 2015.

W.E. Upjohn Institute for Employment Research, Early Career Research Award, « A Structural Dynamic Analysis of Overeducation and Mismatch », Co-PI with Clement Joubert, \$5,000, 2013-2014.

Travel Grant, Econometric Society World Congress, 2010.

PhD Fellowship, CREST, 2006-2009.

#### **VISITS (ONE WEEK OR MORE):**

Toulouse School of Economics (May 2017).

University of Chicago, Department of Economics (October – November 2015).

University College London, Department of Economics (September 2015).

CREST, Paris (July 2012, July 2015).

Duke University, Department of Economics (August 2010-June 2011).

**INVITED SEMINARS (INCLUDING SCHEDULED):**

Cambridge (2021); UCL (2021); Toronto (2021); Toulouse (2021); Clemson (2021); Nebraska-Lincoln (2021); Ecole Polytechnique - CREST (2021); Duke Population Research Institute (2020); Washington University in St. Louis (2019); Oxford (2019); Sciences Po (2019); Rice University (2019); Arizona State University (2018); Toronto (2018); NC State (2018); Wisconsin-Madison (2017); Toulouse, Empirical Economics (2017); Toulouse, Econometrics (2017); Boston College (2017); Bocconi (2016); CREST (2016); NYU (2016); UC Berkeley (2016); Western (2016); UCL, joint CeMMAP/Applied Micro (2015); University of Oslo (2015); Chicago Econ (2015); UT Austin (2015); New York Fed (2014); Carnegie Mellon (2013); London School of Economics (2013); UPenn (2013); Toulouse (2013); UNC-Chapel Hill (2013); Arizona State University (2012); CREST (2012); Duke University (2011); Rochester (2011); Toronto (2011); UC Irvine (2011); HEC Lausanne (2011); HEC Montreal (2011); IUPUI (2011); Ohio State (2011); Université de Montreal (2011); University of Bristol (2011); University Pompeu Fabra (2011); Warwick (2011); Sciences Po (2010); CREST (2009); Institute of Education, University of London (2009); Paris School of Economics (2009); Université du Mans (2009).

**CONFERENCE PRESENTATIONS (INCLUDING SCHEDULED):**

SOLE Conference (2022); European Meeting of the Econometric Society (2021); IAAE Annual Conference (2021); North American Summer Meeting of the Econometric Society (2021); American Economic Association Annual Meeting (Discussant, 2021); American Economic Association Annual Meeting, San Diego (2020); Applied Micro Workshop, Essex, Invited Speaker (2019); SOLE conference (2019); CEME conference on Inference in Nonstandard Problems (2018); Resek Mini-Conference in the Economics of Education, University of Illinois – Urbana- Champaign, Invited speaker (2017); American Economic Association Annual Meeting (Discussant, 2017); Conference on Higher Education Financing and Costs and Returns of Higher Education (New York Fed, Discussant, 2017); North American Winter Meeting of the Econometric Society (2017); Triangle Econometrics Conference (2017); Barcelona GSE Summer Forum, Structural Microeconometrics (2015); Workshop in Labour Economics, Warwick (2015); World Congress of the Econometric Society (2015); Southern Economic Association, Annual Conference (2015); American Economic Association Annual Meeting (Discussant, 2015); SITE Conference, Stanford University (2014); NBER Labor Studies, Spring Meeting (2014); Young Economists Jamboree in Empirical Microeconomics, Duke University (2014); Annual Meeting of the Society for Economic Dynamics (2014); American Economic Association Annual Meeting (2014); North American Winter Meeting of the Econometric Society (2014); European Economic Association (2014); European Meeting of the Econometric Society (2014); North American Summer Meeting of the Econometric Society (2012); NBER Summer Institute, Labor Studies (2011); World Congress of the Econometric Society (2010); Triangle Econometrics Conference (2010); 21<sup>st</sup> (EC)<sup>2</sup> Conference: Identification in Econometrics, Theory and Applications (2010); North American Winter Meeting of the Econometric Society (2009); European Meeting of the Econometric Society (2009); AFSE, Annual Congress (2009); CEPR, Fourth Symposium of the Network EEEPE (2009); EALE, Annual Conference (2009); IZA, Eleventh European Summer School in Labor Economics (2009); Stats in the Château (2009); JMS conference (2009); IZA Workshop: Heterogeneity in Micro Econometric Models (2007); Spring Graduate School in Economics: Recent Advances in Labour Economics, GREQAM (2007).

**TEACHING:**

**DUKE, GRADUATE LEVEL:**

Econometrics of Treatment Effects (Ph.D. level, Spring 2011, 2013, 2016, 2017, Fall 2018, Spring 2020, Fall 2020, 2021)

Investment Decisions in Schooling (Ph.D. level, Fall 2010, 2011, Spring 2016, 2020)

Getting Started on Dissertation Research (Ph.D. level, Fall 2015, 2016, 2017, 2018)

Introduction to Econometrics (M.A. level, Fall 2020)

Independent Research Study (M.A. level, Fall 2019, 2020)

Job Search Models (Ph.D. level, Fall 2010, 2011)

## **DUKE, UNDERGRADUATE LEVEL:**

Introduction to Econometrics (Core undergraduate course, Spring 2013, 2014, 2015).

**ECOLE POLYTECHNIQUE (PARIS):** TA in Micro and Macro Economics (Undergraduate course, 2008-2010).

**ENSAE (PARIS):** Econometric Models in Marketing (Graduate course, 2008-2010), Introductory Economics Lectures and Lectures in Advanced Econometrics (Undergraduate courses, 2008-2010), TA in Econometrics (Graduate and undergraduate courses, 2006-2010), in Microeconomics and Statistics (Undergraduate courses, 2006-2010).

**University Paris IX – Dauphine:** Lectures in Statistics (Undergraduate course, 2006-2007).

## **REFEREEING AND OTHER SERVICES:**

Referee for: *AEJ-Applied*, *AEJ-Economic Policy*, *American Economic Review*, *American Journal of Health Economics*, *Annals of Economics and Statistics*, *B.E. Journal of Economic Analysis and Policy*, *Econometric Theory*, *Econometrica*, *Econometrics Journal*, *Economic Inquiry*, *Economic Journal*, *Economics of Education Review*, *Economie et Statistique*, *Education Economics*, *Education Finance and Policy*, *Empirical Economics*, *European Economic Review*, *ILR Review*, *IZA Journal of Labor Economics*, *IZA World of Labor*, *Journal of the American Statistical Association*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Development Economics*, *Journal of Econometrics*, *Journal of the European Economic Association*, *Journal of Health Economics*, *Journal of Human Capital*, *Journal of Human Resources*, *Journal of Labor Economics*, *Journal of Political Economy*, *Journal of Population Economics*, *Journal of Public Economics*, *LABOUR*, *Labour Economics*, *Oxford Bulletin of Economics and Statistics*, *Quantitative Economics*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Revue Economique*, *Revue Francaise d'Economie*, *Southern Economic Journal*, and *Statistics and Computing*.

Grant proposal reviewer for: Israel Science Foundation, National Science Foundation and Research Grants Council (Hong Kong).

Program Committee, 8<sup>th</sup> Annual Conference of the International Association for Applied Econometrics (2022).

Program Committee, Annual Meeting of the Society of Labor Economists (2022, 2017).

Program Committee, European Meeting of the Econometric Society (2021).

Scientific Committee, Annual Conference of the International Association for Applied Econometrics (2017, 2016).

Scientific Committee, *Journal of Applied Econometrics* Conference on the Estimation of Economic Models of Earnings Dynamics (2014).

Selection Committee, Econometric Society Africa Region's Young Economist Best Paper Award (2021).

Co-Organizer of the Triangle (Duke-UNC-NC State) Applied Micro Conference (2019, 2021).

Co-Organizer of the 2<sup>nd</sup> Young Economists Jamboree in Empirical Microeconomics (2012).

## **GRADUATE STUDENTS ADVISED:**

### **COMMITTEE CHAIR OR CO-CHAIR:**

1. Margaux Luflade (2018, chair, placement: UPenn, 2019-20: BFI Research Fellow, Univ. of Chicago).
2. Brian Clark (2016, co-chair, placement: Federal Trade Commission; 2019-now: U.S. Department of Justice).
3. Yichong Zhang (2016, co-chair, placement: Singapore Management University).
4. Luis Candelaria (2017, co-chair, placement: University of Warwick).
5. Xiaomin Fu (2017, co-chair, placement: Amazon).
6. Paul Diegert (Exp. 2023, co-chair).

### **COMMITTEE MEMBER AND LETTER WRITER:**

7. Esteban Aucejo (2012, placement: London School of Economics, 2016-now: Arizona State University, Associate Prof. since 2017).
8. Marie Hull (2015, placement: UNC, Greensboro).
9. Tyler Ransom (2015, placement: SSRI, Duke University, Postdoctoral Associate, 2017-: University of Oklahoma).
10. James Thomas (2016, placement: Yale University, Postdoc fellow, 2018-: Federal Trade Commission).
11. Maria Zhu (2019, placement: University of Syracuse, Maxwell School).
12. Amanda Grittner (2020, placement: Abt Associates).
13. Jackson Bunting (2021, placement: Texas A&M).
14. Attila Gyetvai (2021, placement: Bank of Portugal).
15. Linh Nguyen (2021, placement: Uber).
16. Marwa AlFakhri (Sanford School of Public Policy, 2022, placement: RAND).
17. Scott Abrahams (2022, placement: Louisiana State University).
18. Jeremy Lebow (2022, placement: World Bank, YPP).

### **COMMITTEE MEMBER:**

19. Jared Ashworth (2015, placement: Pepperdine University).
20. Eduardo Jardim (2016, placement: Amazon).
21. Ekaterina Roshchina (2016, placement: University of Washington-Seattle, postdoc, 2018-: Amazon).
22. Fu Ouyang (2017, placement: Nankai University).
23. Amy Hopson (2017).
24. Kate Maxwell (2019, placement: Cornerstone).
25. Chuhang Yin (2020, placement: Bates White Economic Consulting).
26. Damien Kim (Exp. 2023).
27. Harsh Parikh (Department of Computer Science, Exp. 2023).
28. JoonYup Park (Exp. 2024).
29. Sung-Ju Wu (Exp. 2024).
30. Anna Ziff (Exp. 2024).
31. Rosie Chiang (Exp. 2025).
32. Erin Denison (Exp. 2025).
33. Muyang Ren (Exp. 2025).

### **EXTERNAL DISSERTATION REVIEWER:**

1. Meryam Zaiem (2016, Paris School of Economics, 2017-now: Economiste DARES, Ministere du Travail, de l'Emploi et de la Sante).
2. Xintong Han (2017, Toulouse School of Economics, 2017-now: Assistant Prof. at Concordia U.).
3. Julie Pernaudet (2017, Ecole Polytechnique, 2018-now: Post-doc Scholar, University of Chicago, Economics department).
4. Olivier De Groot (2018, KU Leuven, 2018-: Assistant Prof. at Toulouse School of Economics).
5. Yifan Gong (2020, University of Western Ontario, 2020-: Assistant Prof. at University of Nebraska-Lincoln).
6. Christophe Bruneel (2021, Toulouse School of Economics, 2021-: Assistant Prof. at KU Leuven).
7. Pauline Charouset (2021, Paris School of Economics, 2021-: Post-doc at PSE).

### **UNDERGRADUATE STUDENTS ADVISED:**

- Kelsey Siman (2013-14, Honors with high distinction).  
Alec Ashforth (2020-21, Honors with high distinction).

### **UNIVERSITY SERVICE AT DUKE:**

- PhD Placement Director (2020-2021, 2021-2022, 2022-2023)  
Junior Recruiting Committee (2012-2013, 2017-2018)  
PhD Admission Committee (2012, 2014, 2016, 2017)  
Organizer of the All Applied Micro Seminar (2016-2017, 2017-2018)  
Co-organizer of the Microeconometrics Reading Group (2011-2012, 2017-2018)

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