

## S. DERYA UYSAL ERTAN

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### PERSONAL

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Female, married, two children

Maternity Leave: 07/2018–10/2019, 10/2020–04/2021, 05/2021–12/2022

### RESEARCH AND TEACHING FIELDS

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Primary Econometrics, Microeconometrics, Causal Inference  
Secondary Applied Labor Economics, Program Evaluation, Machine Learning

### POSITIONS IN RESEARCH

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since 2016 Associate Professor (W2-Tenure Track), Department of Economics, *University of Munich (LMU)*  
since 2017 Member, Collaborative Research Center Transregio 190 “*Rationality and Competition*”, funded by the German Research Foundation (DFG), Project A01  
since 2016 CESifo Research Network Affiliate  
2018–2022 PI, Graduate Program GRK 1928 “*Microeconomic Determinants of Labor Productivity*”, funded by the German Research Foundation (DFG)  
2011–2015 Postdoctoral Researcher, Department of Economics & Finance, *Institute for Advanced Studies, Vienna*  
2008–2011 Research Assistant, Chair of Economics and Econometrics, *University of Konstanz*

### EDUCATION

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2011 Ph.D. in Economics (*summa cum laude*), University of Konstanz  
Dissertation: “*Three Essays on Doubly Robust Estimation Methods*”  
2006 M.A. in Economics (*very good*), University of Konstanz  
2004 B.A. in Economics (*with honors*), Boğaziçi University, Istanbul

### PUBLICATIONS

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Friendship Networks and Academic Success: The Impact of Class Size and Gender Composition (with W. Pohlmeier and L. Shkoza), *Empirical Economics*, accepted

Abadie’s Kappa and Weighting Estimators of the Local Average Treatment Effect (with T. Słoczyński and J. M. Wooldridge)  
*Journal of Business & Economic Statistics*, 2025, 43(1), 164–177

Estimation of Causal Effects with a Binary Endogenous Variable: A Unified M-Estimation Framework  
*Journal of Econometric Methods*, 2024, 13(1), 145–204

Estimating Causal Effects for Multivalued Treatments: A Comparison of Approaches (with A.

Linden, A. Ryan and J. L. Adams)  
*Statistics in Medicine*, 2016, 35(4), 534–552

Doubly Robust Estimation of Causal Effects with Multivalued Treatments: An Application to the Returns to Schooling  
*Journal of Applied Econometrics*, 2015, 30(5), 763–786

A Simple and Successful Shrinkage Method for Weighting Estimators of Treatment Effects (with W. Pohlmeier and R. Seiberlich)  
*Computational Statistics & Data Analysis*, 2016, 100, 512–525

Price Dynamics in the Belarusian Black Market for Foreign Exchange (with H. Huett and M. Krapf)  
*Journal of International Economics*, 2014, 94(1), 169–176

Unemployment Duration and Personality (with W. Pohlmeier)  
*Journal of Economic Psychology*, 2011, 32, 980–992

## **WORKING PAPERS**

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Covariate Balancing and the Equivalence of Weighting and Doubly Robust Estimators of Average Treatment Effects (with T. Słoczyński and J. M. Wooldridge), *submitted*

Doubly Robust Estimation of Local Average Treatment Effects Using Inverse Probability Weighted Regression Adjustment (with T. Słoczyński and J. M. Wooldridge) *This paper supersedes Uysal (2011)*

A Practical Guide to Instrumental Variables Methods with Heterogeneous Treatment Effects (with T. Słoczyński and L. Sun), invited for submission to the *Journal of Economic Perspectives*, *under review*

IZA Discussion Paper No. 18684

The Impact of Retention on School Attainment: Local Average Treatment Effect(s) with a Multivalued Instrument

## **PROJECTS**

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Evaluation of Flipped Classroom (with Florian Heiß and Theresa Schmitz)

Causal Inference with Mismeasured or Incomplete Social Networks (with Christoph Breunig)

Effect of School Quality on Rental Prices: Application of Machine Learning Methods (with Özlem Dursun-de Neef)

Estimation of Causal Effects of Multiple Treatments in Observational Studies with Machine Learning Methods (with Ariel Linden)

Network Effect of Different Network Ties (with Livia Shkoza)

Methods for Estimating Causal Effects of Multivalued Treatments: An Extended Simulation Study

## SELECTED THIRD-PARTY FUNDS

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- 2017–present Member, German Research Foundation (DFG), Collaborative Research Center Transregio 190 “*Rationality and Competition*”, total funding volume >35 Mio. EUR (third funding period 2025–2028)
- 2018–2022 PI, German Research Foundation (DFG), Graduate Program GRK 1928 “*Microeconomic Determinants of Labor Productivity*”
- 2012–2014 Austrian National Bank, Jubiläumsfonds: “*Microeconomic Evaluation of Multiple and Continuous Treatments*” (104.000 EUR)

## AWARDS AND HONORS

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- 2014 Oskar Morgenstern Publication Award (IHS Vienna): Highest Impact Field Journals
- 2014 Oskar Morgenstern Publication Award (IHS Vienna): Best Empirical Paper
- 2007 VEUK Prize for Outstanding Graduation, University of Konstanz
- 2006–2007 Doctoral Scholarship, Federal State of Baden-Württemberg

## LIST PLACEMENTS (LISTENPLÄTZE)

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- W3 Professorship in Econometrics, University of Konstanz
- W2 Professorship in Statistics, Leipzig University

## STATISTICAL SOFTWARE

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**KAPPALATE:** Stata module and R package to estimate the local average treatment effect (LATE) using Abadie’s kappa approach and other weighting estimators (with Słoczyński, T., & Wooldridge, J.), v1.1.0, SSC / GitHub

**TEFFECTS2:** Stata module and R package to estimate average treatment effects with covariate balancing propensity score (with Słoczyński, T., & Wooldridge, J.), v1.1.0, SSC / GitHub

**DRLATE:** Stata module to estimate local average treatment effects with doubly robust methods (with Słoczyński, T., & Wooldridge, J.), v1.0.0, SSC

## ACADEMIC PRESENTATIONS

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### Selected Presentations at Conferences

European Meeting of the Econometric Society (2013, 2019, 2022, 2023), Econometric Society Winter Meeting (2020), International Association for Applied Econometrics (2015, 2017, 2024, 2025), Annual Congress of Verein für Socialpolitik (2010, 2012, 2017, 2020, 2023, 2024), European Association of Labour Economists (2009, 2013, 2014), European Society for Population Economics (2012, 2015, 2017, 2021), Society of Labor Economists (2021), Annual Congress of the European Economic Association (2020), Statistische Woche (2010, 2012, 2023, 2024), BSE Summer Forum, Microeconometrics and Policy Evaluation, Barcelona (2025), EC<sup>2</sup> Conference (2008, 2025), AEA Annual Meeting, San Diego (2013), Econometric Society Australasian Meeting (2012), Spring Meeting of Young Economists (2009), International Conference on Robust Statistics (2008)

### Invited Presentations

Koc University (2025), Aarhus Workshop in Econometrics (2025), University of Freiburg, departmental seminar (2025), Turkish-German University Economics Conference (2025), KU Eichstätt-

Ingolstadt (2025, 2021), University of Innsbruck (2025), Workshop in Econometrics, TU Dortmund (2025), Research Seminar, Eberhard Karls University Tübingen (2024), Applied Microeconomics Seminar, Goethe University Frankfurt (2024), TUM Heilbronn (2024), RWTH Aachen, Faculty of Business and Economics (2024), Econometrics and Statistics Seminar, University of Bonn (2024), Econometrics Workshop in Causal Inference, Goethe University Frankfurt (2024), Stata Economics Virtual Symposium (2023), Kiel University (2023), Conference on Advances in Theoretical and Applied Econometrics, Konstanz (2023), Departmental Seminar, University of Manchester (2022), ifo Education Seminar, Munich (2020), Nuremberg Research Seminar in Economics (2018), Bundesbank Research Seminar, Frankfurt (2017), Central Bank of the Republic of Turkey, Ankara (2017), Research Colloquium, University of Konstanz (2017)

### SHORT VISITS

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2017	Visiting Researcher, Harvard University
2014	Visiting Researcher, New York University (NYU)

### RECENT TEACHING EXPERIENCE

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WS 2025/26	Econometrics: Advanced Methods (Ph.D./Master lecture and tutorial)
SS 2025	Microeconometrics & Machine Learning (Master Lecture/Seminar) Seminar “Microeconomic Applications and Policy Evaluation” (Bachelor)
WS 2024/25	Econometrics: Advanced Methods (Ph.D./Master lecture and tutorial)
WS 2023/24	Econometrics: Advanced Methods (Ph.D./Master lecture and tutorial) Seminar “Statistical Learning Methods” (Bachelor)
WS 2022/23	Econometrics: Advanced Methods (Ph.D./Master lecture and tutorial)
SS 2020	Seminar “Text as Data” (Bachelor) Microeconometrics (Ph.D./Master lecture and tutorial)
SS 2018	Seminar “Decomposition Methods in Economics” (Bachelor)
WS 2017/18	Seminar “Potential Outcome Framework and Causal Effects” (Bachelor) Applied Microeconometrics (PhD)

### ADMINISTRATIVE AND SERVICE ACTIVITIES

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2027	Organizer, EC <sup>2</sup> Conference, LMU Munich
2016–2018	Women’s Representative (Frauenbeauftragte), Department of Economics, LMU Munich
2019–2020	Local Coordinator, EDGE Network, LMU Munich
2016–2025	Co-organizer, Research Workshop “Empirical Economics”, LMU Munich
2016–present	Active participation in Master/PhD admissions and junior hiring committees, LMU Munich Mentoring: Junior Faculty Mentoring Program; MQE students; LMU Honors Program
2011–2015	Co-organizer, Econometrics Seminar, IHS Vienna

### REFeree WORK

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Journal of Business & Economic Statistics, Journal of Econometrics, Journal of the Royal Statistical Society, Journal of Causal Inference, Journal of Economic Psychology, Journal of Banking

and Finance, Empirical Economics, Journal of Statistical Computation and Simulation, Journal of Human Capital, Journal of Labor Research, IHS Economics Series

#### **PROFESSIONAL MEMBERSHIPS**

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The Econometric Society · Verein für Socialpolitik · German Statistical Society (DStatG)

#### **LANGUAGE AND SOFTWARE SKILLS**

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Languages Turkish (native), English (fluent), German (fluent)

Software R (incl. custom function development for causal inference; teaching),  
Stata (programming & ado-file development), GAUSS, L<sup>A</sup>T<sub>E</sub>X