

# DR. IOANA-ELENA OANA

## Research Fellow ◇ European University Institute

📖 Google Scholar citations: 503, h-index = 9, i10-index = 9

📍 Badia Fiesolana - BF260, Via dei Roccettini 9, 50014, Fiesole, Italy

✉ ioana.oana@eui.eu ◇ 🏠 <https://nenaoana.github.io>

I am a political scientist currently working as a **Research Fellow at the European University Institute (EUI)** within the framework of the SOLID project led by Prof. Hanspeter Kriesi, Prof. Maurizio Ferrera, and Prof. Waltraud Schelkle. Before my current position, I completed my PhD in Political Science with an additional specialization in Research Methodology at Central European University (CEU) in April, 2019. My research agenda focuses on **political behavior and public opinion formation, social movements and protest, and EU politics during crises**. My work concentrates on the political dynamics spurred by the Covid crisis, the refugee crisis, and the Russian invasion of Ukraine and their implications on EU polity development and integration more broadly. My ongoing publication projects look at how political conflict is structured at both the transnational and the domestic level within the EU, examine divisions and inequalities in terms of policy and political outcomes between and within European Member States, and inquire into the drivers of policy preferences during these crises. Beyond these substantive interests, I also focus on research methodology and R software development with a pluralist outlook. I work and strive to contribute to methodological innovation in a wide-range of both **quantitative (text-as-data, machine learning, and survey experiments) and qualitative methods (qualitative comparative analysis - QCA, focus groups, speech analysis)**.

## ACADEMIC POSITIONS

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### Research Fellow

06/2019 - present

SOLID ERC Project (PI: Prof. Hanspeter Kriesi)  
European University Institute, Florence, Italy

### Research Fellow

02/2019 - 06/2019

POLCON ERC Project (PI: Prof. Hanspeter Kriesi)  
European University Institute, Florence, Italy

## EDUCATION

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### PhD in Political Science

09/2013 - 04/2019

Specialization: Comparative Politics and Research Methodology  
Central European University, Budapest (Supervisor: Prof. Zsolt Enyedi)  
*Thesis: Collective Mobilization and Dynamic Representation: From Citizens to Policy and Back Again*

### MA in Political Science (Distinction)

09/2011 - 09/2013

Specialization: Social Science Methodology  
Central European University, Budapest (Supervisor: Prof. Levente Littvay)  
*Thesis: When does information matter? Complexity, Cognitive Heuristics and Democratic Competence*

### BA in Political Science (Valedictorian)

09/2008 - 06/2011

Department of Political Science, SNSPA, Bucharest

**RESEARCH EXPERIENCE PRIOR TO CURRENT POSITION**


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<b>POLPART ADVANCED ERC (PI: Prof. Bert Klandermans)</b> <i>Research Affiliate</i>	08/2014-11/2018
- gathering and analyzing survey, experimental, and focus group data on party and protest participation in Europe;	
<b>POLCON ADVANCED ERC (PI: Prof. Hanspeter Kriesi)</b> <i>Coder</i>	04/2017-09/2017
- coding contentious political events in Romania;	
<b>“Experimental Political Behavior” (CEU Research Support Scheme)</b> <i>Scheme Beneficiary</i>	01/2013-07/2013
(awarded to Prof. Levente Littvay, CEU, Budapest)	
- designing and conducting a lab experiment on voting behavior;	
<b>Pilot Study “The Post-Socialist Welfare States” (PI: Prof. Julia Szalai)</b> <i>Research Assistant</i>	03/2012-07/2012
- collecting and analyzing interview data with public servants in Romania;	

**RESEARCH VISITS**


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<b>European University Institute, Florence, Italy</b> Department of Political and Social Sciences (Host: Prof. Hanspeter Kriesi)	01/2017 - 05/2017
<b>VU University, Amsterdam, Netherlands</b> Department of Sociology (Host: Prof. Bert Klandermans)	01/2015 - 07/2015
<b>University of Padua, Padua, Italy</b> Department of Political Science	09/2009 - 02/2010

**GRANTS, AWARDS & FUNDING**


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Marie Skłodowska-Curie Individual Fellowship (€212,933, grant awarded, but not accepted by recipient due to current position)	02/2019
Full CEU Doctoral Fellowship (Tuition: €30,000; Stipend: €25,500)	09/2013-02/2019
ECPR Dirk-Berg Schlosser Award for outstanding pedagogical skills ( €500)	08/2018
Marie Skłodowska-Curie Individual Fellowship Seal of Excellence	04/2018
National Science Foundation and Maxwell School Grant for attending IQMR, Maxwell School, Syracuse University, NY, USA (Amount: €300 + accommodation)	06/2017
CEU Summer School Grant for attending the IQMR, Maxwell School, Syracuse University, NY, USA (Amount: €694)	06/2017
CEU Conference and Travel Grant for the ECPR Joint Sessions of Workshops, Nottingham (Amount: €570)	04/2017
CEU Doctoral Research Support Grant for a research stay at EUI, Florence (Amount: €4,000)	05/2016
CEU Conference Grant for the ECPR General Conference, Prague (Amount: €448)	06/2016
CEU Departmental Award for Excellence in Master Studies	02/2012

CEU Full Fellowship for Master Students (Tuition: €24,000; Stipend: €6,000 + accommodation)  
09/2011-06/2013

Valedictorian Award, Department of Political Science, SNSPA, Bucharest 06/2011

“Olympic Merit” Scholarship from the Romanian Government (Amount: €3,500) 09/2008-06/2011

Merit Scholarship from the Department of Political Science, SNSPA, Bucharest (Amount: €2,500)  
09/2008-06/2011

## LIST OF PUBLICATIONS

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### Book manuscripts and Special Issues (peer-reviewed)

**Ioana-Elena Oana**, Stefano Ronchi, and Zbigniew Truchlewski. 2023. “EU polity resilience in times of COVID? Solidarity, legitimacy, and polity maintenance.” Special Issue in Comparative European Politics. <https://link.springer.com/article/10.1057/s41295-023-00327-7>

Alexandru D. Moise, Marcello Natili, **Ioana-Elena Oana**, Zbigniew Truchlewski, Francesco Visconti, Chendi Wang. 2023. “Introduction: EU polity building after the Russian invasion of Ukraine”. Debate Section in Journal of European Public Policy. <https://www.tandfonline.com/doi/full/10.1080/13501763.2023.2205442>

Hanspeter Kriesi, Argýrios Altíparmakís, Abel Bojar, and **Ioana-Elena Oana**. “Coming to terms with the refugee crisis in the EU.” Forthcoming at Cambridge University Press.

**Ioana-Elena Oana**, Carsten Q. Schneider, and Eva Thomann. 2021. “Qualitative Comparative Analysis using R: A Beginner’s Guide.” Cambridge: Cambridge University Press.

### Book manuscripts in progress

Zbigniew Truchlewski, **Ioana-Elena Oana**, Alexandru Moise, Hanspeter Kriesi. “Bonding, Binding, and Bounding: EU Polity Building in the Covid Crisis.” Finalized, manuscript under review at Oxford University Press.

**Ioana-Elena Oana**, Alexandru Moise, Zbigniew Truchlewski. “EU polity-building in the aftermath of the Russian invasion of Ukraine”. Manuscript under contract at Cambridge University Press, Elements series.

**Ioana-Elena Oana**. “Collective Mobilization and Dynamic Representation: From Citizens to Policy and Back Again.” Manuscript in progress (based on PhD thesis monograph).

### Peer-reviewed Articles

**Ioana-Elena Oana** and Zbigniew Truchlewski. Forthcoming. Bounded Solidarity: Experimental Evidence on Cross-national Bonding in the EU during the Covid Crisis. European Journal of Political Research.

Zbigniew Truchlewski, **Ioana-Elena Oana**, and Alexandru D. Moise. 2023. “A missing link? Maintaining support for the European polity after the Russian invasion of Ukraine”. Journal of European Public Policy. <https://www.tandfonline.com/doi/full/10.1080/13501763.2023.2218419>

**Ioana-Elena Oana** and Abel Bojar. 2023. “Populism, Anti-technocratic Attitudes, and COVID-19 related Conspiracy Beliefs across Europe”. Comparative European Politics. <https://link.springer.com/article/10.1057/s41295-023-00331-x>

Chendi Wang, Abel Bojar, **Ioana-Elena Oana**, and Zbigniew Truchlewski. 2023. "Emergency politics, mass sentiment and the EU during COVID." *Comparative European Politics*. <https://link.springer.com/article/10.1057/s41295-023-00330-y>

Abel Bojar, Anna Kyriazi, **Ioana-Elena Oana**, and Zbigniew Truchlewski. 2023. "A Novel Method for Studying Policymaking: Policy Process Analysis (PPA) Applied to the Refugee Crisis". Robert Schuman Centre for Advanced Studies Research Paper No. RSC 24/2023. [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4456925#](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4456925#)

Hanspeter Kriesi and **Ioana-Elena Oana**. 2022. "Protest in unlikely times: dynamics of collective mobilization in Europe during the COVID-19 crisis". *Journal of European Public Policy*. <https://doi.org/10.1080/13501763.2022.2140819>

**Ioana-Elena Oana**, Alessandro Pellegata, and Chendi Wang. 2021. "A cure worse than the disease? Exploring the health-economy trade-off during COVID-19." *West European Politics* 44(5-6): 1232-1257. <https://doi.org/10.1080/01402382.2021.1933310>

**Ioana-Elena Oana** and Carsten Q. Schneider. 2021. "A Robustness Test Protocol for Applied QCA: Theory and R Software Application." *Sociological Methods & Research*. <https://doi.org/10.1177/00491241211036158>.

Endre Borbath, Sophia Hunger, Swen Hutter and **Ioana-Elena Oana**. 2021. "Civic and Political Engagement during the Multifaceted COVID-19 Crisis". *Swiss Political Science Review* 27: 311-324. <https://doi.org/10.1111/spsr.12446>

Hanspeter Kriesi, Argyrios Altiparmakis, Abel Bojar and **Ioana-Elena Oana**. 2021. "Debordering and re-bordering in the refugee crisis: a case of 'defensive integration'". *Journal of European Public Policy* 28(3): 331-349. <https://doi.org/10.1080/13501763.2021.1882540>

**Ioana-Elena Oana**, and Hanspeter Kriesi. 2021. "Asylum Policy Preferences Among the European Publics: Conflict Configurations at the Transnational and Domestic Level". Robert Schuman Centre for Advanced Studies Research Paper No. RSC 2021/93. [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3987055](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3987055)

**Ioana-Elena Oana**. 2019. "Party and protest participation patterns among students in new and old democracies." *Partecipazione e Conflitto* 12(1): 71-111. <http://siba-ese.unisalento.it/index.php/paco/article/view/20663>

Maarten and Bezouw, Anastasia Garyfallou, **Ioana-Elena Oana**, Sebastien Rojon. 2019. "A methodology for cross-national comparative focus group research: illustrations from discussions about political protest." *Quality & Quantity* 53(6): 2719-2739. <https://link.springer.com/article/10.1007/s11135-019-00887-5>

**Ioana-Elena Oana** and Carsten Schneider. 2018. "SetMethods: an Add-on Package for Advanced QCA." *The R Journal* 10(1): 507-533. <https://doi.org/10.32614/RJ-2018-031>

### **Chapters in Edited Volumes & Other Publications**

**Ioana-Elena Oana**. Forthcoming. "Qualitative Comparative Analysis." In *Oxford Handbook: Doing Good Qualitative Research*. Eds. Jennifer Cyr and Sara Wallace Goodman. In press at Oxford University Press.

Hanspeter Kriesi and **Ioana-Elena Oana**. 2021. "Asylum Policy Preferences Among the European Publics: Conflict Configurations at the Transnational and Domestic Level." Robert Schuman Centre for Advanced Studies Research Paper No. RSC 93.

**Ioana-Elena Oana**. 2019. "Reinvigorating Romania's Civil Society: Talking About Politics and Corruption in Romania.", In *When Citizens Talk About Politics*. Eds. Clare Saunders and Bert

Klandermans. Routledge.

Maarten and Bezouw, Anastasia Garyfallou, **Ioana-Elena Oana**, Sebastien Rojon, Clare Saunders. 2019. "Methodological appendix - Studying political talk using cross-national focus groups." In *When Citizens Talk About Politics*. Eds. Clare Saunders and Bert Klandermans. Routledge.

**Ioana-Elena Oana**. 2014. "The economy of dictatorship and democracy." In *Economic and Evolutionary Approaches in Social Sciences*. Ed. Mihai Ungureanu, Wolters Kluwer, pp. 67-86.

### Software Packages

**Ioana-Elena Oana**, Juraj Medzihorsky, Mario Quaranta, Carsten Q. Schneider. 2018. *SetMethods*: Functions for Set-Theoretic Multi-Method Research and Advanced QCA. R package (about 50,000 CRAN downloads).

**Ioana-Elena Oana**. 2020. *MDScosa*: Functions for Multidimensional Scaling of Election Campaign Data. R package .

### Engagement & Outreach Publications

**Ioana-Elena Oana** and Alexandru Moise. 2022. "How unified are Europeans' views on the war in Ukraine?." *EUIdeas Blog* post.

Alexandru Moise and **Ioana-Elena Oana**. 2022. "Acceptance of Refugees and Solidarity in the EU." *Migration Policy Center Blog* post.

**Ioana-Elena Oana**. 2021. "Covid-19: spur or restraint to citizen engagement?." *EUIdeas Blog* post.

Hanspeter Kriesi and **Ioana-Elena Oana**. 2021. "Transnational and domestic conflicts in asylum policies: preferences among the European publics." *Migration Policy Center Blog* post.

**Ioana-Elena Oana** and Hanspeter Kriesi. 2020. "Report on Coronavirus Survey in Italy: First Two Waves." *EUI European Governance and Politics Programme*. Online Research Report

**Ioana-Elena Oana** and Hanspeter Kriesi. 2020. "Report on Coronavirus Survey in Italy: Comparison of First Three Waves." *EUI European Governance and Politics Programme*. Online Research Report

Thomann, Eva, **Ioana-Elena Oana**, and Stefan Wittwer. 2018. "Performing fuzzy and crisp set QCA with R: A user-oriented beginner's guide."

### Papers under Review and in Progress

#### Papers in peer review

**Ioana-Elena Oana**. Dynamics of Protest and the Role of Civil Society in the Refugee Crisis.

**Ioana-Elena Oana**, Alexandru Moise, and Zbigniew Truchlewski. Two-Level Games and European Solidarity for Energy Sanctions: Experimental Evidence from Seven EU Countries. Paper prepared for a Special Issue in *European Union Politics*.

**Ioana-Elena Oana**, Hanspeter Kriesi, and Argyrios Altiparmakis. Dynamics of protest mobilization in the European poly-crisis. Paper prepared for a Special Issue in *Journal of European Public Policy*.

**Ioana-Elena Oana**, Zbigniew Truchlewski, and Alexandru Moise. A Passage to Europe? Decision-making Preferences in the European Polity in Times of Crisis.

**Ioana-Elena Oana**, Abel Bojar, and Chendi Wang. The COVID-19 lockdown paradox: support for democracy in times of democratic restrictions.

Alexandru Moise, **Ioana-Elena Oana**, and Zbigniew Truchlewski. Demand for EU Polity-Building After the Russian Invasion of Ukraine: The Social Security and External Threat Logics. Paper prepared for a Special Issue in European Union Politics.

Alexandru Moise, **Ioana-Elena Oana**, and Zbigniew Truchlewski. European military capacity after the Russian Invasion of Ukraine: Experimental Evidence from seven EU Countries.

#### Papers in progress

**Ioana-Elena Oana**, Zbigniew Truchlewski, and Alexandru Moise. Crafting Solidarity: Experimental Evidence on the Cueing Effects of Domestic Politicians' on Public Support for EU Solidarity Policies.

**Ioana-Elena Oana** and Anna Kyriazi. Policy output legitimacy in the refugee crisis: A survey experiment on the consequences of asylum policy for EU support in Europe.

**Ioana-Elena Oana**, Hanspeter Kriesi, Argyrios Altiparmakis, and Chendi Wang. Dynamics of protest mobilization in crises: comparing the Eurozone, Refugee, and Covid crises.

Hanspeter Kriesi, Alexandru Moise, and **Ioana-Elena Oana**. The determinants of transnational solidarity within the EU.

Zbigniew Truchlewski, **Ioana-Elena Oana**, and Marcello Natili. Binding Constellations and EU Center Building: Demand-side preferences for binding in six crisis policy domains.

#### Chapters in progress

**Ioana-Elena Oana** and Carsten Q. Schneider. Qualitative Comparative Analysis. In Elgar Concise Encyclopedia of Research Methods in the Social Sciences. Edward Elgar Publishing.

## SELECTED CONFERENCE PAPERS & GUEST LECTURES

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**SISP - Societa Italiana di Scienza Politica** 09/2023  
*A Passage to Europe? Decision-making Preferences in the European Polity in Times of Crisis*

**ISPI - Italian Institute for International Political Studies** 02/2023  
*Guest Talk: The War One Year on - the Unwanted Game Changer*

**European University Institute - Solidarity in Europe (SiE) Conference** 01/2023  
*Bounded solidarity? Experimental evidence on cross-national bonding in the EU during the COVID crisis*

**UOC (Universitat Oberta de Catalunya)** 11/2022  
*Guest Lecture: Qualitative Comparative Analysis: what is it and when to use it?*

**SASE - Society for the Advancement of Socio-Economics** 07/2022  
*Circles of Bonding: Experimental Evidence on Cross-national Solidarity in the EU during the Covid Crisis.*

**CES - Twenty-Eighth International Conference of Europeanists** 07/2022  
*Populism, Dissatisfaction, and COVID-19 related Conspiracy Beliefs across Europe.*

**EUI Migration Policy Center Conference** 06/2022  
*Dynamics of Protest and the Role of Civil Society in the Refugee Crisis.*

**City University London - Political Change Lecture Series** 05/2022  
*Populism, Dissatisfaction, and COVID-19 related Conspiracy Beliefs across Europe.*

**ECPR Conference of the Standing Group on European Union** 06/2021  
*Populism, Dissatisfaction, and COVID-19 related Conspiracy Beliefs across Europe*

- KU Leuven, Master program in European policies and politics** 02/2021  
*Guest Lecture in Comparative Analysis for Public Policy*
- Expert Workshop on QCA, Antwerp Management School, Belgium** 05/2019  
*Case Orientation and Parameters of Fit Orientation. A Proposal for Systematized Robustness Tests in QCA using R*
- West University of Timisoara, Romania** 11/2018  
*Guest Lecture on Party and Protest Participation Patterns among Students in New and Old Democracies*
- International QCA Expert Workshop, ETH Zurich, Switzerland** 11/2018  
*Fit-oriented and Case-oriented Robustness in QCA*
- Exeter Doctoral Conference, University of Exeter, UK** 03/2018  
*How Policy Change affects Alternative Participation – A Vignette Experiment*
- Annual Doctoral Conference, Central European University, Budapest, Hungary** 03/2018  
*The Participation Consequences of Policy Change – A Vignette Experiment*
- ECPR Joint Sessions of Workshops, Nottingham, UK** 04/2017  
*The Policy Consequences of Alternative Participation: Civil Society Events and Governmental Attention to Issues*
- Annual Doctoral Conference, Central European University, Budapest, Hungary** 04/2017  
*The Consequences of Alternative Participation: Civil Society Events and Public Expenditure*
- POLPART ADVANCED ERC Project Midterm Conference, Budapest, Hungary** 09/2016  
*Pseudo-reality and self-defeating rationalizations: Mental frames of Political Participation in Romania and Hungary*
- ECPR General Conference, Prague, Czech Republic** 09/2016  
*Income Inequality and Policy Responsiveness Perceptions: A Genetic Matching Approach*
- ECPR General Conference, Prague, Czech Republic** 09/2016  
*Civil Society Events, Media, and Environmental Protection Expenditure in Europe*
- Annual Doctoral Conference, Central European University, Budapest, Hungary** 04/2016  
*Income Inequality and Policy Responsiveness Perceptions: A Genetic Matching Approach*
- Annual Doctoral Conference, Central European University, Budapest, Hungary** 04/2015  
*Movements' Impact, Media, and Policy Outputs: A Fuzzy-Set Analysis of Environmental Events' Effects on Environmental Protection Expenditure in Italy*
- International Association for Media and Communication Research Annual Conference, Dublin, Ireland** 06/2013  
*Internet as a catalyzer for civic and political involvement*
- Annual Hungarian Political Science Association Meeting, Cluj-Napoca, Romania** 06/2013  
*When does information matter? Complexity, Cognitive Heuristics and Democratic Competence*
- Contested Claims on Citizenship in the CEE Post-Socialist Welfare States, CEU, Hungary** 06/2012  
*Immaturity and Shortsightedness: Racialization and the Romanian Welfare State*

## METHODS TRAINING

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- Institute for Qualitative & Multi-Method Research, Maxwell School, Syracuse, USA**  
*Workshops Attended: Automated Text-Analysis; Multi-method research; Natural experiments; Causal inference from causal models; QCA;* 06/2017

**ECPR Winter School in Methods and Techniques, Bamberg***Workshop Attended: Multi-level modeling*

03/2016

**Central European University, Budapest**

*Methods classes attended:* Quantitative Methods: Analyzing Countries, Research Methods and Design, Multivariate Statistics, Survey Methodology, Qualitative Research Methods, Set-Theoretic Methods for the Social Sciences, Network Science, Experimental Methods, Mathematical Statistics, Missing Data Problems in Statistical Inference;

2011-2015

**TEACHING EXPERIENCE**

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**Institute for Qualitative & Multi-Method Research, Syracuse University, USA**

2023

*Qualitative Comparative Analysis with R***CUSO, University of Lausanne, Switzerland***Introduction to QCA in R***Summer School for Women in Political Science, Bern, Switzerland***Object-oriented programming in R***Summer School in Social Research Methods (3SRM), MethodsNET, Radboud University, Netherlands***Qualitative Comparative Analysis: Performing Basic and Advanced Analyses using R***Konstanz Methods Excellence Workshops (KOMEX), University of Konstanz, Germany***Qualitative Comparative Analysis using R***Institute for Qualitative & Multi-Method Research, Syracuse University, USA**

2022

*Qualitative Comparative Analysis with R***CIVICA network joint course (EUI and CEU)***Set-Theoretic Methods and Qualitative Comparative Analysis***Institute for Qualitative & Multi-Method Research, Syracuse University, USA**

2021

*Qualitative Comparative Analysis with R***IPSA-FLACSO Mexico Summer School - Virtual***Qualitative Comparative Analysis with R***ECPR Virtual Methods School***Qualitative Comparative Analysis with R***ECPR Virtual Methods School***Advanced Qualitative Comparative Analysis***ECPR Virtual Methods School**

2020

*Qualitative Comparative Analysis with R***ECPR Virtual Methods School***Advanced Qualitative Comparative Analysis***ECPR Summer School in Methods and Techniques**

2019

*Introduction to Case-Based Research***ECPR Summer School in Methods and Techniques***Qualitative Comparative Analysis and Fuzzy-Sets***ECPR Winter School in Methods and Techniques***Seasoned Scholar Workshops: Quantitative and Qualitative Methods - Selected Topics*



**Antwerp Management School, Belgium**

*Intermediate QCA*

**University of Helsinki, Finland**

*R for QCA*

**West University, Romania**

*Introduction to QCA in R*

2018

**Lund University, Sweden**

*Introduction to QCA in R*

**ECPR Summer School in Methods and Techniques**

*Seasoned Scholar Workshops: Qualitative and Multi-Method Research - Selected Topics*

**University of Exeter Q-Step Centre, UK**

*Introduction to Qualitative Comparative Analysis*

**European University Institute, Italy**

*Qualitative Comparative Analysis (QCA) with R*

**ECPR Summer School in Methods and Techniques**

2013-2017

*Teaching Assistant for Qualitative Comparative Analysis and Fuzzy-Sets*

- 5 times

- included teaching Introduction to R and teaching lab seminars in R

*Teaching Assistant for Advanced Qualitative Comparative Analysis*

- 4 times

- included teaching Introduction to R and teaching lab seminars in R

## SERVICE TO THE PROFESSION

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**Reviewer for:** American Political Science Review, European Journal of Political Science, West European Politics, Sociological Methods & Research, Regulation & Governance, Research & Politics, Swiss Political Science Review, Regional & Federal Studies, Policy Studies Journal, Quality & Quantity, Social Movement Studies, PLOS ONE

## PROGRAMMING AND LANGUAGE SKILLS

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**Software:** R & RStudio - advanced; R Markdown - advanced; L<sup>A</sup>T<sub>E</sub>X- advanced; Python - intermediate; STATA - intermediate;

**Languages:** *Romanian* – native; *English* – proficient; *Italian* – proficient;  
*French* – elementary; *Spanish* – elementary;