

**PIOTR ANDRZEJ KOC**

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**RESEARCH INTERESTS**

*Substantive:* Comparative Political Behaviour & Public Opinion, LGBT+ Politics

*Methodological:* Latent Variable Modelling, Survey Methodology, Bayesian Statistics

**ACADEMIC POSITIONS**

- 01/2022 – Present     Doctoral Research Assistant, Research Group on Computational Social Science (Institute of Philosophy and Sociology, Polish Academy of Sciences)
- Activities: Developing methods of supplementing and substituting survey data with digital trace data
- 09/2022 – 08/2023     Research Fellow, Chair of Political Methodology (Institute of Political Science, University of Zurich)
- Project: Estimating public opinion trends toward lesbians and gays using multiple data sources
  - Activities: Monte Carlo simulations, investigating policy interventions using Bayesian dynamic models
- 01/2020 – 12/2021     Doctoral Research Assistant, Research Group on Comparative Analysis of Social Inequality (Institute of Philosophy and Sociology, Polish Academy of Sciences)
- Project: Polish Panel Study (POLPAN)
  - Activities: Cross-wave data harmonization, data archiving, facilitating cooperation of POLPAN users (co-initiator of the POLPAN Lab)

**EDUCATION**

- 10/2019 – Present     PhD in Sociology, GSSR Polish Academy of Sciences
- Thesis: “Challenges of Measurement in Comparative Political Behaviour Research: the Case of Political Participation” (defence: 22.11.2023)
  - Supervisors: Artur Pokropek, Natalia Letki
- 10/2016 – 10/2019     Double Master’s Degree in Political Science, University of Warsaw/University of Konstanz
- Final grade: 1.5 (A)
  - Specializations: (1) Comparative Politics and Policy Analysis; (2) Methods in Politics and Public Administration
- 10/2015 – 02/2016     Politik- und Verwaltungswissenschaft, ERASMUS+ Scholarship, University of Konstanz
- 10/2013 – 07/2016     B.A., Political Science, University of Warsaw
- Final grade: excellent; with distinction

**RESEARCH VISITS**

- 03/2021 – 04/2021     University College London, Social Research Institute

**SUMMER SCHOOLS**

- 09/2021     GESIS Fall Seminar in Computational Social Science
- Introduction to CSS with Applications in R
  - Automated Web Data Collection with R

**AWARDS & SCHOLARSHIPS**

- 2022     GSSR Best Doctoral Research Paper Award in Sociology
- Paper: “Beyond Continuous vs. Categorical Dichotomy: Uncovering Latent Structure of Non-electoral Political Participation Using Zero-Inflated Models”

## CURRICULUM VITAE

2022 – 2023	Swiss Government Excellence Scholarship
2017 – 2018	DAAD Study Scholarships for Graduates of All Disciplines <ul style="list-style-type: none"><li>- Scholarship for excellently-qualified graduates who want to pursue a postgraduate program at a German university</li></ul>
2014 – 2018	Rector's Scholarship for the Best Students (University of Warsaw)

### PUBLICATIONS

- Koc**, P. "Beyond Continuous vs. Categorical Dichotomy: Uncovering Latent Structure of Non-electoral Political Participation Using Zero-Inflated Models", [forthcoming in *Soc Indic Res* ]
- Koc**, P. & A. Pokropek. "Accounting for Cross-Country-Cross-Time Variations in Measurement Invariance Testing. A Case of Political Participation", *Survey Research Methods* 16(1), 79–96 (2022).  
<https://doi.org/10.18148/srm/2022.v16i1.7909>
- Koc**, P. "Measuring Non-electoral Political Participation: Bi-factor Model as a Tool to Extract Dimensions". *Soc Indic Res* 156, 271–287 (2021).  
<https://doi.org/10.1007/s11205-021-02637-3>

### ONGOING PROJECTS

- Collective Efficacy and Neighbourhood Disorder: Evidence from a Large Scale Survey in Central-Eastern Europe (with Natalia Letki), <https://osf.io/bg6ys/>
- How Well Can We Estimate Public Opinion Country-Year Trends from Multiple Survey Projects? A Monte Carlo Simulation (with Tomasz Żóttak & Marco Steenbergen)
- Challenges of Analyzing Policy-Driven Shifts in Public Opinion in Cross-National Settings: The Case of Rights for Same-Sex Couples (with Marco Steenbergen)

### PRESENTATIONS

- Powalko, P, Slomczynski M. & **Koc**. P. "On the Variety of Item Missing Data in Survey Harmonization: A Proposal for Standardization", WAPOR, 2021
- Koc**, P. "Performance of Bi-Factor Indices in Non-Optimal Conditions: A Monte Carlo Simulation", European Congress of Methodology, 2021

### RELEVANT PROFESSIONAL EXPERIENCE

- 10/2018 – 03/2019 Internship, GfK - Marketing Science CEU, Nürnberg (Germany)
  - Data preparation; analyses using regression and latent variable models

### LANGUAGE AND SOFTWARE SKILLS

- Languages Polish: native | English: advanced | German: intermediate/advanced
- Software R: very good | SPSS: good | Mplus: good

### OTHER ACTIVITIES

- 2021 – 2022 Team Member in the "PhD Mental Health" project, the National Representation of Doctoral Students
  - Coordination of the survey on the mental health of doctoral students in Poland
  - Co-authoring the final report
- 2020 – 2021 Vice President of the PhD Student Council of the Polish Academy of Sciences
- 2019 – 2020 Students' representative, PhD Student Council of the Institute of Philosophy and Sociology, Polish Academy of Sciences