

Michał Bojanowski

Curriculum Vitae*



Personal data

Name	Bojanowski, Michał
Gender	Male
Born	August 28, 1978 in Warsaw, Poland
Nationality	Polish
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Research interests

- Dynamics of social networks, conflict and cooperation. Mathematical sociology.
- Computational modeling.
- Data analysis, applied statistics, statistical computing.

Education

May 2012	PhD in Sociology , Utrecht University, The Netherlands.
July 2003	Master's degree in Sociology , University of Warsaw, Poland.
May 1997	High School Diploma , 1st Community High School, Warsaw, Poland.

Employment history

Sep 2010 – present	Assistant professor , Interdisciplinary Centre for Mathematical and Computational Modelling (ICM), University of Warsaw, Poland.
Sep 2005 – Aug 2010	Assistant-in-training , Inter-university Center for Social Science Theory and Methodology, Utrecht University, The Netherlands.

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Feb 2004 – Sep 2005 **Research assistant**, Research Team on Comparative Social Inequality, Institute of Philosophy and Sociology of Polish Academy of Sciences, Warsaw, Poland

Doctoral thesis

Title *Essays on Social Network Formation in Heterogeneous Populations: Models, Methods, and Empirical Analyses.*

Supervisors Vincent Buskens, Stephanie Rosenkranz, and Werner Raub.

Description Studies in theory and methods of analysis of dynamics of social networks, and applications of such theory and methods to inter-firm collaboration. The research involved building mathematical (game-theoretical) models of co-evolution of behavior and social networks, devising and implementing computational models co-evolution of behavior and networks, and statistical analyses of large scale data on inter-firm alliances.

Master thesis

Title *Log-linear models and structural models of information theory: two approaches to categorical data analysis.*

Supervisor Grzegorz Lissowski.

Description A comparative analysis of two types of statistical models useful for analyzing categorical data.

Publications

Books

Bojanowski, Michał (2012a). “Essays on Social Network Formation in Heterogeneous Populations: Models, Methods, and Empirical Analyses”. PhD thesis. Utrecht: ICS, Utrecht University.

Peer reviewed articles

Bojanowski, Michał and Rense Corten (2014). “Measuring Segregation in Social Networks”. In: *Social Networks* 39. IF=3.479. Preprint available on SSRN. URL: <http://ssrn.com/abstract=1873465>.

Bojanowski, Michał, Rense Corten, and Bastian Westbrock (2012). “The Structure and Dynamics of the Global Network of Inter-Firm R&D Partnerships”. In: *Journal of Technology Transfer* 37. IF=1.014, pp. 967–987.

Bojanowski, Michał and Vincent Buskens (2011). “Coordination in Dynamic Social Networks under Heterogeneity”. In: *Journal of Mathematical Sociology* 35.4. IF=0.817, pp. 249–286.

Janicka, Krystyna and Michał Bojanowski (2008). “Stosunek do imigrantów i polityki migracyjnej w Polsce: specyfika postaw oraz ich uwarunkowania”. In: *Kultura i Społeczeństwo* LII.2, pp. 111–130.

Bojanowski, Michał (2005). “Algorytm alokacji tytułów zawodowych w eksperckich badaniach prestiżu zawodów. [An algorithm for allocation of occupational titles among respondents in studies on occupational prestige]”. In: *ASK* 14, pp. 79–91.

Chapters in edited volumes

Bojanowski, Michał and Dominik Batorski (2009). “Analiza rezultatów projektów realizowanych w ramach Działania 2.3 SPO RZL”. In: *Doskonalenie kadr polskich przedsiębiorstw*. Warszawa: Polska Agencja Rozwoju Przedsiębiorczości. Chap. 3, pp. 45–72.

Bojanowski, Michał (2007). “Household Income Mobility During Systemic Transformation”. In: *Continuity and Change In Social Life: Structural and Psychological Adjustment In Poland*. Ed. by Kazimierz M. Słomczyński and Sandra Marquart-Pyatt. Warsaw: IFiS Publishers. Chap. 10, pp. 183–198.

- Janicka, Krystyna and Michał Bojanowski (2006). “Stosunek do imigrantów i polityki imigracyjnej w Polsce: Aspekt terytorialny. [Attitudes to immigrants and immigration politics in Poland: Territorial aspects]”. In: *Transgraniczność w perspektywie socjologicznej V. [Borderlands in Sociological Perspective V]*. Zielona Góra: Lubuskie Towarzystwo Naukowe, pp. 31–50.
- Słomczyński, Kazimierz M. and Michał Bojanowski (2003). “Pogranicze jako przedmiot badań socjologicznych, uwagi metodologiczne. [Borderland as a subject of sociological inquiry. Methodological remarks]”. In: *Transgraniczność w perspektywie socjologicznej: Teorie, studia, interpretacje. [Cross-borders in the sociological perspective. Theories, research, interpretations]*. Zielona Góra: Lubuskie Towarzystwo Naukowe. Chap. 1, pp. 23–34.

Other publications and working papers

- Bojanowski, Michał (2012b). *Industrial Structure and Inter-Firm Collaboration*. ISCORE Discussion Paper 279. Utrecht: Institute for the Study of Cooperative Relations, Department of Sociology, Utrecht University.
- Batorski, Dominik, Michał Bojanowski, and Dominika Czerniawska (2010). *Diagnoza mobilności instytucjonalnej i geograficznej osób ze stopniem doktora w Polsce*. (Polish) Ministry of Science and Higher Education.
- Bojanowski, Michał and Vincent Buskens (2009). *Coordination in Dynamic Social Networks under Heterogeneity*. ISCORE discussion paper 260. Utrecht: Institute for the Study of Cooperative Relations, Department of Sociology, Utrecht University.
- Bojanowski, Michał, Rense Corten, and Bastian Westbrock (2009). *The Structure and Dynamics of the Global Network of Inter-Firm R&D Partnerships*. ISCORE discussion paper 261. Utrecht: Institute for the Study of Cooperative Relations, Department of Sociology, Utrecht University.
- Bojanowski, Michał (2004). “Statistical Inference for Theil Inequality Measure: A Comment”. Working paper. URL: <http://www.ifispan.waw.pl/socnierowno/people/mb/ineqest040419-en.pdf>.

Selected research projects

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| Sep 2013 – Dec 2016 | Principal investigator of the project <i>Dynamics of Competition and Cooperation in Science: Individual Strategies, Collaboration Networks, and Organizational Hierarchies</i> financed by NCN grant Sonata 2012/07/D/HS6/01971. |
| Sep 2010 – present | Collaborator in the SYNAT project ¹ coordinated by Interdisciplinary Centre for Mathematical and Computational Modelling, University of Warsaw. Studies on scientific communication and collaboration in Poland. |
| Sep 2005 – Aug 2010 | Collaborator in the project <i>Dynamics of Cooperation, Networks, and Institutions</i> , a collaborative project of Interuniversity Center for Social Science Theory and Methodology (ICS) and Tjalling C. Koopmans Institute (TKI) at the Utrecht University. Principal investigators: Vincent Buskens (ICS UU) and Stephanie Rosenkranz (TKI UU). The project aims at studying network formation and cooperation under different institutional arrangements through developing innovative theory on the emergence and stability of cooperative relations and testing this theory with complementary data from experiments and research on alliance formation among firms. |
| Mar 2005 | Collaborator in the project <i>New occupational classification and occupational scales</i> (principal investigator: Henryk Domański, IFiS PAN). Devising the research design and tools of the survey of the occupational prestige among experts. The project aims at revising (Polish) Social Classification of Occupations as well as constructing new scales of occupational prestige and occupational socio-economic position. |
| Apr 2005 | Collaborator in the project <i>Psychological correlates and consequences of nutrition control process</i> , principal investigators: Grażyna Wieczorkowska-Nejtardt (University of Warsaw), Eugene Burnstein (University of Michigan) and Richard Gonzales (University of Michigan). The project aims at identifying configurations of factors that trigger so-called “loss of control of nutrition process” as well as exploring physiological and psychological consequences of regularity (or the lack of it) in nutrition and diet composition. Designing data-analytic and |

¹www.synat.pl

visualization methods and tools for the collected data (in the form of multivariate time series).

- Jun 2003 – May 2010 Collaborator in the project *Social Structure in Poland, 1988–2003. Dynamic Analysis in International Context*, principal investigator: Kazimierz M. Słomczyński (IFiS PAN, Ohio State University). The project aims at comprehensive description of the current state of social structure and its evolution during the systemic transformation in Poland. Co-designer of the fourth wave of the panel study Social Changes in Poland.
- Sep 2000 – Oct 2002 Member of the Polish General Social Survey (PGSS) team (head: dr Bogdan Cichomski) at the Institute for Social Studies, University of Warsaw. Preparation of PGSS surveys (conducted every two years): questionnaires, datasets and accompanying documentation as well as periodical reports based on PGSS data.

Additional training

- Mar 2008 *Bayesian Evaluation of Informative Hypotheses*, Utrecht University, The Netherlands.
- May 2007 *Exponential Random Graph Models*, Sunbelt XXVII, Corfu, Greece.
- Jan 2006 *Statistical Evaluation of Social Network Dynamics*, University of Groningen, The Netherlands.
- Jul – Aug 2002 *Summer Program in Quantitative Methods of Social Research* organized by Inter-university Consortium for Political and Social Research (ICPSR), University of Michigan, USA. Courses taken: “Categorical Analysis”, “Linear, Nonlinear and Nonparametric Regression”, “Scaling and Dimensional Analysis”, “Statistical Computing in S”, “Resampling Techniques: The Bootstrap”, “Causal Inference in the Social Sciences”, “Missing Data: Statistical Analysis of Data with Incomplete Observations”, “Bayesian Methods”, “Statistical Graphics for Univariate and Bivariate Data Display”.

Teaching experience

- 2012–2013 Lecture *Advanced Statistical Methods: Continuous Variables* at the Warsaw International Studies in Psychology, Experimental Social Psychology specialization. Department of Psychology, University of Warsaw, Poland.
- 2012 Course *Analysing Social Science Data with R* at the Graduate School for Social Research, Warsaw, Poland.
- 2011–2014 Workshop *Introduction to Social Network Analysis with R* at the annual international Sunbelt Social Network Conferences.
- 2011 Workshop *Analiza sieci społecznych [Social Network Analysis]*, Postgraduate Studies on Business Intelligence, Warsaw School of Economics, Warsaw.
- Dec 2010 Workshop *Analiza danych społecznych za pomocą programu R [Analysing sociological data with R]*, Institute of Philosophy and Sociology, Polish Academy of Sciences, Warsaw, Poland.
- 2006 – 2009 Course *Practical Data Analysis*, Utrecht University, The Netherlands.
- 2006 – 2009 Supervision of bachelor thesis projects in Sociology, Department of Sociology, Utrecht University, The Netherlands.
- 2006 – 2009 Co-supervision of bachelor thesis projects in Economics, Utrecht University, The Netherlands.
- 2005 Course *Analysis of sociological data with SPSS*, College School of Economics and Arts, Skierniewice, Poland.
- Sep 2004 Workshop *Panel data and the R package* at the conference *Radical Social Change in East Europe: A Dynamic Analysis of Panel Data*, Institute of Philosophy and Sociology, Polish Academy of Sciences, Warsaw, Poland.

Conference presentations

- 20 II 2014 Conference *Sunbelt XXXIV, International Sunbelt Social Networks Conference*, St Pete Beach, FL, USA. Paper: *Individual Publication Strategies and Collaboration in Authorship: Analysis of a Co-authorship Network from a Large University*.
- 23 V 2013 Conference *Sunbelt XXXIII, International Sunbelt Social Networks Conference*, Hamburg, Germany. Paper (with Dominik Batorski) *Social resources and the position on the labour market: evidence from survey of residents of large metropolitan area*.
- 10 II 2011 Conference *Sunbelt XXXI, International Sunbelt Social Networks Conference*, St Pete Beach, FL, USA. Paper: *Industrial Structure and Inter-firm Collaboration*.
- 3 VII 2010 Conference *Sunbelt XXX, International Sunbelt Social Networks Conference*, Riva del Garda, Italy. Paper (with Rense Corten): *Measuring Segregation in Social Networks*.
- 9–11 X 2008 1st ICC Conference on Network Modeling and Economic Systems, ISEG, Lisbon, Portugal. Paper (with Vincent Buskens): *Coordination in Dynamic Social Networks under Heterogeneity*.
- VIII 2008 Conference *useR! 2008*, Dortmund, Germany. Paper: *Simulating Games on Networks with R*.
- 19 VI 2008 *7th Network Workshop on Networks in Economics and Sociology* (Utrecht University, Utrecht, The Netherlands) Paper (with Rense Corten and Bastian Westbrock): *The Dynamics of the Global Network of Inter-Firm Alliances*.
- 21 VI 2007 *6th Network Workshop on Networks in Economics and Sociology* (Utrecht University, Utrecht, The Netherlands) Paper: *Coordination in Dynamic Social Networks under Heterogeneity*.
- 1–6 V 2007 Conference *Sunbelt XXVII, International Sunbelt Social Network Conference*, Corfu, Greece. Paper (with Rense Corten and Bastian Westbrock): *The Dynamics of the Global Network of Inter-Firm Alliances*.
- 1–6 V 2007 Conference *Sunbelt XXVII, International Sunbelt Social Network Conference*, Corfu, Greece. Paper: *Co-evolution of Networks and Behavior under Heterogeneity*.
- 23 XI 2006 1st Interdisciplinary Workshop on Applied Network Analysis, Rotterdam, The Netherlands. Paper (with Rense Corten and Bastian Westbrock): *The Dynamics of the Global Network of Inter-Firm Alliances*.
- 14–16 IX 2005 Conference *Studying Radical Social Change with Panel Data*, IFiS PAN, Warsaw, Poland). Paper: *Household income inequality and mobility in Poland, 1988–2003*.
- 6–8 V 2005 Meeting of ISA Research Committee 28 (RC28) on Social Stratification and Mobility, Oslo. Paper: *Household income inequality and mobility in Poland, 1988–2003*.
- 21–22 X 2004 Conference *Cross-borders in the Sociological Perspective V*, Łagów Lubuski. Paper (co-author Prof. Krystyna Janicka): *Attitudes to immigrants and immigration politics in Poland. Territorial aspect*.
- 19 IX 2004 12th Polish Sociological Congress, Poznań. Paper: *Statistics in R. Presentation of the statistical software with examples of Bootstrap inference methods*.
- 19 IX 2004 12th Polish Sociological Congress, Poznań. Paper: *Household income mobility in 1988–2003*.
- 12 IX 2004 Conference *Radical Social Change in East Europe: A Dynamic Analysis of Panel Data*, Warsaw, IFiS PAN. Paper: *Household Income Mobility: A Dynamic Analysis 1988–2003*.
- 20–22 V 2004 Conference *useR! 2004*, Technische Universität Wien, Vienna. The first international conference for R users: an open source project for statistical computing.
- 15–16 XII 2003 Conference *The Role of Survey Research in Studying Social Change in Eastern Europe*, Warsaw, IFiS PAN. Paper: *Income mobility, a decomposition approach*.

Other professional activities

9th place (out of 104 participants) in the *Cultaptation: Social Learning Strategies Tournament* organized to identify optimal social learning mechanism under uncertainty. The tournament results are documented in Science Magazine: Rendell et al (2010) “Why Copy Others? Insights from Social Learning Strategies Tournament” Science 328(5975):208-213. Other members of the research team: Ozan Aksoy, Vincent Buskens, and Rense Corten. Our submitted strategy was called “Rummer”.

Software

Extensions for R language for statistical analysis and graphics (<http://www.r-project.org>) facilitating working with (social) network data: *intergraph*,² *rgraph6*.³

Grants, stipends, and awards

2013	NCN Sonata grant 2012/07/D/HS6/01971 for the project <i>Dynamics of Competition and Cooperation in Science: Individual Strategies, Collaboration Networks, and Organizational Hierarchies</i>
2012	Finalist award of Scientific Awards of Polityka weekly. ⁴
2011	Laureate of a Conference Stipend of Foundation for Polish Science.
Oct - Nov 2009	Research visit. Department of Statistics, University of Washington, USA. Hosts: Mark Handcock and Martina Morris

Membership in associations

- *International Network for Social Network Analysis* (INSNA)
- *International Sociological Association’s Research Comitee on Social Stratification and Mobility* (ISA RC28)
- *The R Foundation for Statistical Computing*

Reviewer for journals

- *ASK*
- *Journal of Information Technology*
- *Journal of Mathematical Sociology*
- *Social Networks*

Language skills

Polish (native), English (fluent), Dutch (basic), German (basic)

Hobbies

Sailing, basketball, aviation, snowboard, classical music, jazz.

²<http://intergraph.r-forge.r-project.org>

³<http://rgraph6.r-forge.r-project.org>

⁴<http://www.polityka.pl/nauka/nagrodynaukowe>