



# Júlia Koltai

## Research Professor (TK Recens)

- **Academic Title:** PhD
- **Email:** koltai.julia@tk.elte.hu
- **Phone:** +36 1 224 6700 / 5454
- **Building:** T. (Floor, room: 1.25.)

## Selected Publications

### *Five selected publications of the last five years*

**2022** Understanding hesitancy with revealed preferences across COVID-19 vaccine types. Scientific Reports 12(13293). (co-authors: Kristóf Kutasi, Ágnes Szabó-Morvai, Gergely Röst, Márton Karsai, Péter Biró and Balázs Lengyel)

**2021** “Splendid Isolation”: The reproduction of music industry inequalities in Spotify’s recommendation system. New Media & Society. Online first. (co-authors: Tamás Tófalvy)

**2021** The presence of occupational structure in online texts based on word embedding NLP models. EPJ Data Science 10(55). (co-authors: Zoltán Kmetty and Tamás Rudas)

**2020** The Impact of COVID-19 on the Gender Division of Childcare Work in Hungary. European Societies 23(sup1) pp. S95-S110. (DOI: 10.1080/14616696.2020.1817522) (co-authors: Fodor, Éva; Gregor, Anikó; Kovács, Eszter)

**2019** Collapse of an online social network: Burning social capital to create it? In: Social Networks 57: 43-53. (co-authors László Lőrincz, Anna Fruzsina Győr and Károly Takács)

### *Five further selected publications:*

**2022** Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys. Scientific Reports 12(4690). (co-authors: Orsolya Vásárhelyi, Gergely Röst, and Márton Karsai)

**2021** The increasing importance of friends: Changes in core discussion network composition in post-communist Hungary between 1997 - 2015. Social Networks 66. pp. 139-145. (coauthors: Fruzsina Albert and Beáta Dávid)

**2021** Attitudes towards Participation in a Passive Data Collection Experiment. Sensors 21(18): 6085. (co-authors: Bence Ságvári and Attila Gulyás)

**2019** Attitude Changes towards Immigrants in the Turbulent Years of the 'Migrant Crisis' and Anti-Immigrant Campaign in Hungary. In: Intersections: East-European Journal of Society and Politics 5(1): 48-70. (co-author: Ildikó Barna)

**2018** Core Ties Homophily and Sociocultural Divides in Hungary from 1987 to 2015 In: International

Journal of Sociology. 47(3): 228-249. (co-authors Zoltán Kmetty and Róbert Tardos)

## **Research Projects**

### **2022-2027 Principal investigator**

“Momentum” Research Grant of the Hungarian Academy of Sciences. Title of the research: Social Structure and Inequalities Through the Lens of Digital Data. Name of the research group: MTA-TK Lendület “Momentum” Digital Social Science Research Group for Social Stratification (DS4 Momentum Research Group)

### **2022-2026 Principal investigator**

National Laboratory Program of the National Research, Development and Innovation Office in Hungary (RRF-2.3.1-21-2022-00006) Name of the research group: Social Science Research Group, National Laboratory for Health Security

### **2022-2025 Co-applicant**

Grant of the Vienna Science and Technology Fund (WWTF). Title of the research: Humanized Algorithms: Identifying and Mitigating Algorithmic Biases in Social Networks. Principal investigator: Fariba Karimi (Complexity Science Hub, Vienna), co-applicant: Markus Strohmaier (RWTH Aachen)

### **2019-2024 Principal investigator**

Grant of the National Research, Development and Innovation Office in Hungary (FK131826). Title of the research: Social History Analysis of the Press between 1945 and 1989 with the Methods of Natural Language Processing (NLP)

### **2019-2022 Principal investigator**

Premium Postdoctoral Grant of the Hungarian Academy of Sciences. Title of the research: Application of Big Data and Natural Language Processing Methods in the Social Sciences.

## **Academic Career**

**2022-** senior research fellow

Computational Social Science - Research Center for Educational and Network Studies (CSS-RECENS), HUN-REN Centre for Social Sciences

**2019-2022** Premium postdoctoral researcher

Computational Social Science - Research Center for Educational and Network Studies (CSS-RECENS), Centre for Social Sciences

**2014-2018** research fellow

Hungarian Academy of Sciences, Center for Social Sciences, Institute of Sociology

## **Education**

**2022** Habilitation

ELTE Faculty of Social Sciences

**2007-2013** PhD

ELTE Doctoral School of Sociology

**2002-2007** Sociologist, survey statistician

ELTE Faculty of Social Sciences, Master Program of Sociology

**1996-2002** high school certificate of education

ELTE Radnóti Miklós School

## **Membership in Academic and Professional Organisations; Editorial Board Membership**

### ***Membership of scientific associations***

International Sociological Association

International Sociological Association RC28 – Social Stratification

International Sociological Association RC33 – Logic and Methodology in Sociology Complex Systems Society

Magyar Szociológiai Társaság (Hungarian Sociological Association)

Hungarian Academy of Sciences, IX. Section of Economics and Law - including sociology, demography and political sciences

### ***Roles in Scientific Journals***

**2020-2023** Szociológiai Szemle (Review of Sociology): editor in chief

**2017-2020** Szociológiai Szemle (Review of Sociology): editor

**2019-** Methods and Measurement (Frontiers): editor

## **Selected conferences and workshops**

*All publications and conference presentations (conference presentations in cursive)*

**2024** Social Structure and Inequalities Through the Lens of Digital Data. Presentation at the Budapest Winter Workshop organized by the Center for Collective Learning & ANET & NETI Lab. Corvinus University and HUN-REN, Budapest, Hungary.

Citizen Science in Health-Related Survey Research: The Methodology and Consequences of the MASZK1.0 Study. Presentation at the Seen Hungary 2024 – Citizen Science Conference And Workshop, Centre for Ecological Research, Tata, Hungary.(co-authors: Márton Karsai and Gergely Röst)

**2023** Real-time estimation of the effective reproduction number of COVID-19 from behavioral data. Scientific Reports 13(21452). (co-authors: Eszter Bokányi, Zsolt Vizi, Gergely Röst, and Márton Karsai)  
Faultlines, Familiarity, Communication: Predictors and Moderators of Team Success in Escape Rooms. Small Group Research, 55(2). (co-authors: Rebeka O. Szabó and Federico Battiston)

Willingness of Participation in an Application-Based Digital Data Collection among Different Social Groups and Smartphone User Clusters. *Sensors* 23(9). (co-authors: Ákos Máté, Zsófia Rakovics, Szilvia Rudas, Levente Wallis, Bence Ságvári, and Ákos Huszár)

Natural language processing: The integration of a new methodological paradigm into sociology. *Intersections East European Journal of Society and Politics* 9(1). (co-author: Renáta Németh)

Social Characteristics in Epidemics: Roles and Consequences. Invited talk in the Covid Crisis Lab at Bocconi University, Milan, Italy.

Vaccination Homophily During the Covid-19 Pandemic. Presentation at the 9th International Conference on Computational Social Science, Copenhagen, Denmark. (coauthors: Ádám Stefkovics, Anna Sára Liget, Szilvia Rudas, Beáta Dávid, and Fruzsina Albert)

Deadly serious: The effect of the belief in conspiracy theories on anti-vaccination in Hungary and the moderating role of experience. Presentation as an invited speaker at the workshop 'From Stigmatized to Canonized Knowledge? Exploring Top-Down Conspiracy Theories in Central Eastern Europe and Beyond', Central European University, Budapest, Hungary. (co-authors: Ádám Stefkovics and Péter Krekó)

Session organization at the Yearly Meeting of the Hungarian Sociological Association, Corvinus University Budapest, Hungary. Title of session: A COVID- 19 járvány társadalmi hatásai [The social impacts of the COVID- 19 epidemic]. (co-organizers: Anna Sára Ligeti, Ádám Stefkovics, and Szilvia Rudas)

Interpersonal networks and the COVID-19 pandemic. Panel organiser at the 7th European Conference on Social Networks, University of Ljubljana, Ljubljana, Slovenia. (coorganizers: Fruzsina Albert and Beáta Dávid)

Vaccination Homophily During the Covid-19 Pandemic. Presentation at the NetSci – Annual Conference of the Network Science Society, Central European University and Complexity Science Hub, Vienna, Austria. (co-authors: Ádám Stefkovics, Anna Sára Ligeti, Szilvia Rudas, Beáta Dávid, and Fruzsina Albert)

Az összeesküvés hiedelmek hatása az oltási hajlandóságra és a betegség tapasztalatának moderáló szerepe [The impact of conspiracy beliefs on vaccination uptake and the moderating role of disease experience]. Presentation as an invited speaker at the 13th Sociology Days of the Babes-Bolyai University - between the challenges of continuous change and adaptation in our societies. Babes-Bolyai University, Cluj-Napoca, Romania. (co-authors: Ádám Stefkovics and Péter Krekó)

A társadalomtudományok helyzete és lehetőségei – módszertani kihívások és esélyek a digitális változások kontextusában. esélyek a digitális változások kontextusában [The state and opportunities of the social sciences - methodological challenges and opportunities in the context of digital change]. Invited participant in a roundtable discussion at the 13th Sociology Days of the Babes-Bolyai University - between the challenges of continuous change and adaptation in our societies. Babes-Bolyai University, Cluj-Napoca, Romania. Bolyai University.

Az összeesküvés hiedelmek hatása az oltási hajlandóságra a tapasztalatok hatásának tükrében [The impact of conspiracy beliefs on vaccination uptake in the light of the impact of experience]. Presentation at the XXXth National Scientific Assembly of the Hungarian Psychological Society, Pécs, Hungary. (co-authors: Ádám Stefkovics and Péter Krekó)

**2022** Understanding hesitancy with revealed preferences across COVID-19 vaccine types. *Scientific Reports* 12(13293). (co-authors: Kristóf Kutasi, Ágnes Szabó-Morvai, Gergely Röst, Márton Karsai, Péter Biró and Balázs Lengyel)

Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys. *Scientific Reports* 12(4690). (co-authors: Orsolya Vásárhelyi, Gergely Röst, and Márton Karsai)

Understanding Parental Attitudes toward Vaccination: Comparative Assessment of a New Tool and Its Trial on a Representative Sample in Hungary. *Vaccines* 10(12). (co-author: Zsófia Gács)

Determinants of willingness to help: Evidence from a survey experiment. *Intersections: East European*

Journal of Society and Politics 8(1): 23-50. (co-authors: Gábor Hajdu, Luca Kristóf, Bori Simonovits)

A COVID-19 elleni védőoltással kapcsolatos attitűdök a magyar társadalomban [Attitudes towards COVID-19 vaccination in Hungarian society] In: Dániel Horn and Anna Mária Bartal (eds): Fehér könyv a Covid-19-járvány társadalmi-gazdasági hatásairól [White book about the social-economical effect of COVID-19 epidemic] ELKH Közgazdaság- és Regionális Tudományi Kutatóközpont, Közgazdaságtudományi Intézet, Budapest. pp. 33-47. (co-authors: Anna Sára Ligeti, Márton Karsai, Gergely Röst)

Koronavírus: alternatív "tudományos" megközelítések és oltásellenesség [Coronavirus: alternative "scientific" approaches and vaccine hesitancy] In: Péter Krekó and Nóra Falyuna (eds.): Sarlatánok kora. Miért dőlünk be az áltudományoknak? [The age of charlatans. Why we fall for pseudoscience?] Athenaeum Kiadó, Budapest. pp. 170-190. (co-author: Zsófia Bauer)

A társadalmi dinamika vizsgálatának szerepe a pandémiás védekezésben [The role of examining social dynamics in pandemic response]. Népegészségügy 99(1). (co-authors: Anna Sára Ligeti, Eszter Bokányi, Márton Karsai, Beatrix Oroszi, Gergely Röst)

Co-organizer of the Conference 'Kit érdekel még a szociológia? Lehet-e korunk kérdéseire válaszolni a szociológia nélkül?' ['Who cares about sociology? Can we answer the questions of our time without sociology?'] Centre for Social Sciences, Institute of Sociology. Budapest, Hungary.

Social Differences in Willingness of Participation in Donation Based Data Collection. Presentation at the Conference on Complex Systems 2022, Palma de Mallorca, Spain. (coauthors: Zoltán Kmetty)

The Presence of Social Structure in the Online Space. Presentation as an invited speaker at the CIVICA Research Conference 2022, CEU, Budapest, Hungary.

Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys. Presentation at the 8th International Conference on Computational Social Science, Chicago, USA. (co-authors: Márton Karsai, Orsolya Vásárhelyi, and Gergely Röst)

The presence of occupational structure in online texts based on word embedding NLP models. Presentation as an invited speaker at the Corvinus Workshop on Network and Data Science. Corvinus University. Budapest, Hungary. (co-authors: Zoltán Kmetty and Tamás Rudas)

A Járványmatematikai Divízióon belül működő, Társadalomtudományi Kutatócsoport bemutatása [Presentation of the Social Sciences Research Group within the Division of Epidemic Mathematics]. Presentation as an invited speaker at the year opening meeting of the National Laboratory for Health Security Professional Day, Szeged, Hungary

**2021** The presence of occupational structure in online texts based on word embedding NLP models. EPJ Data Science 10(55). (co-authors: Zoltán Kmetty and Tamás Rudas)

"Splendid Isolation": The reproduction of music industry inequalities in Spotify's recommendation system. New Media & Society. Online first. (co-authors: Tamás Tófalvy)

The increasing importance of friends: Changes in core discussion network composition in post-communist Hungary between 1997 - 2015. Social Networks 66. pp. 139-145. (coauthors: Fruzsina Albert and Beáta Dávid)

Attitudes towards Participation in a Passive Data Collection Experiment. Sensors 21(18): 6085. (co-authors: Bence Ságvári and Attila Gulyás)

From Durkheim to machine learning - finding the relevant sociological content in a social media discourse. In: Tamás Rudas - Gábor, Péli (szerk.) Pathways Between Social Science and Computational Social Science - Therories, Methods and Interpretations. New York, NY, Springer. (co-author: Zoltán Kmetty and Károly Bozsonyi)

Discovering sociological knowledge through automated text analytics In: Tamás Rudas - Gábor, Péli (szerk.) Pathways Between Social Science and Computational Social Science - Therories, Methods and Interpretations. New York, NY, Springer. (co-author: Renáta Németh)

Munkaerőpiaci Alkalmazkodás a koronavírusjárvány idején - egy reprezentatív felmérés eredményei

[Labour market adjustment during a coronavirus epidemic - results of a representative survey] In Fazekas, K., Kónya, I., and Krekó, J. (eds) Munkaerőpiaci tükör [The Hungarian Labour Market]. Közgazdaság- és Regionális Tudományi Kutatóközpont, ELKH. (co-authors: Dániel Prinz and Gergely Röst) Why Do Social Networks Die? Keynote presentations at the conference Women in Data Science Central and Eastern Europe. Online.

Chair at the Conference on Complex Systems 2021. Title of Session: Social Complexity III. Lyon, France. Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys. Presentation at the satellite event 'Complex Systems for the Most Vulnerable' of the Conference on Complex Systems 2021 Lyon, France. (co-authors: Márton Karsai, Orsolya Vásárhelyi, and Gergely Röst)

Chair at the Networks 2021 (joint Sunbelt and NetSci) conference. Title of Session: Social Media & Online Networks. Online.

"Splendid Isolation": A Network Based Reproduction of Geographic Inequality in Spotify's Recommendation System. Presentations at the Networks 2021 (joint Sunbelt and NetSci) conference. Online. (co-author: Tófalvy Tamás)

Age contact matrix reconstruction from online and representative samples. Presentations at the Networks 2021 (joint Sunbelt and NetSci) conference. Online. (co-authors: Orsolya Vásárhelyi, Gergely Röst, and Márton Karsai)

Mapping the network of anti-vaccine and pro-vaccine supporters' – Two discourses, opposite worlds? Presentations at the Networks 2021 (joint Sunbelt and NetSci) conference. Online. (co-authors: Zoltán Kmetty, Eszter Katona; Krisztián Boros, Anna Molnár, and Bence Ságvári)

The increasing importance of friends: Changes in core discussion network composition in post-communist Hungary between 1997 – 2015. Presentations at the Networks 2021 (joint Sunbelt and NetSci) conference. Online. (co-authors: Beáta Dávid and Fruzsina Albert)

Context of Burtiness in Facebook Activities. Poster at the Networks 2021 (joint Sunbelt and NetSci) conference. Online. (co-authors: Zoltán Kmetty, Márton Karsai and János Kertész)

Detecting Latent Change-points with Topic Model. Presentation at the yearly meeting of the International Sociological Association RC33 Logic & Methodology in Sociology. Online. (co-author: Anna Molnár)

Társadalmi egyenlőtlenségek megjelenése a járványterjedésben.[The emergence of social inequalities in the spread of epidemics] Presentation as an invited speaker at the COVID-19 Conference of Milton Friedman University. online (co-author: Márton Karsai)

**2020** The Impact of COVID-19 on the Gender Division of Childcare Work in Hungary. European Societies 23(sup1) pp. S95-S110. (DOI: 10.1080/14616696.2020.1817522) (co-authors: Fodor, Éva; Gregor, Anikó; Kovács, Eszter)

Network capital and migration potential. International Journal of Sociology, 50(2): 1-20. (co-authors: Bori Simonovits and Endre Sik)

Exploring the Dynamic Changes of Key Concepts of the Hungarian Socialist Era with Natural Language Processing Methods. Historical Methods: A Journal Of Quantitative And Interdisciplinary History. (co-authors: Martina Katalin Szabó, Orsolya Ring, Balázs Nagy, László Kiss, Gábor Berend, László Vidács, Attila Gulyás and Zoltán Kmetty)

Hungary in masks/"MASZK" in Hungary. Corvinus Journal Of Sociology And Social Policy 11( 2). pp. 139-146 (co-authors: Karsai Márton, Vásárhelyi Orsolya, Röst Gergely)

Context of burstiness in Facebook activities? Poster presentation at the International Conference on Computational Social Science. MIT - Massachusetts Institute of Technology – online due to COVID-19. (co-authors: Zoltán Kmetty, Márton Karsai and János Kertész)

Does diversity kill OSNs? Poster presentation at the International Conference on Computational Social Science. MIT - Massachusetts Institute of Technology – online due to COVID-19 (co-authors: László

Lőrincz, Johannes Wachs, and Károly Takács)

Keynote speaker. Title of the talk: Az iWiW összeomlása – Felégetjük-e kapcsolati tőkénket azért, hogy újat teremtsünk? (The collapse of the social network iWiW– do we burn our social capital to create new?)

A Magyar Internet Története Konferencia. (Conference on the Stories of the Hungarian Internet)

Budapest University of Technology and Economics, Budapest, Hungary

Organizer of the regional event of Stanford University's conference series, Women in Data Science.

Central European University, Budapest. (co-organizer: Orsolya Vásárhelyi)

Co-organizer of the Workshop on the Concept of Quality for Big Data. Eötvös Loránd University, Faculty of Social Sciences, Budapest, Hungary. (co-organizer: Tamás Rudas and Renáta Németh)

Co-organizer of the Conference 'A szociológia egy sikeres évszázad előtt?' ['Sociology facing a successful century?'] Centre for Social Sciences, Institute of Sociology. Budapest, Hungary.

Does diversity kill OSNs? Presentation at the Sunbelt Conference (biyearly conference of the International Network for Social Network Analysis). Paris, France – online due to COVID-19. (co-authors: László Lőrincz, Johannes Wachs, and Károly Takács)

**2019** Collapse of an online social network: Burning social capital to create it? In: Social Networks 57: 43-53. (co-authors László Lőrincz, Anna Fruzsina Győr and Károly Takács)

Attitude Changes towards Immigrants in the Turbulent Years of the 'Migrant Crisis' and Anti-Immigrant Campaign in Hungary. In: Intersections: East-European Journal of Society and Politics 5(1): 48-70. (co-author: Ildikó Barna)

Logisztikus regressziós együtthatók összehasonlítása (The Comparison of Coefficients in Logistic Regression) In: Statisztikai Szemle (Hungarian Statistical Review) 97(3): 221-240. (co-authors: Tamás Bartus and Dorottya Kisfalusi)

The Presence of Social Structure in Online Texts Based on Word Embedding NLP Models. Presentation at ISA (International Sociological Association) RC28 Summer Meeting. Princeton University, New Jersey, USA. (co-authors: Kmetty Zoltán and Rudas Tamás)

Assessing the Effect of Questionnaire Design on Unit and Item Nonresponse: Evidence from an Online Experiment. Presentation at the conference of the European Survey Research Association (ESRA). Zagreb, Croatia. (co-authors: Kmetty Zoltán and Stefkovics Ádám)

The Presence of Social Structure in Online Texts Based on Word Embedding NLP Models. Presentation at the International Conference on Computational Social Science. University of Amsterdam, The Netherlands. (co-authors: Kmetty Zoltán and Rudas Tamás)

Does diversity kill OSNs? Poster presentation at the Conference on Complex Networks. Lisbon, Portugal. (co-authors: László Lőrincz, Johannes Wachs, and Károly Takács)

Organizer of the regional event of Stanford University's conference series, Women in Data Science. Central European University, Budapest. (co-organizer: Orsolya Vásárhelyi)

**2018** Seasonality Pattern of Suicides in the US: A Comparative Analysis of a Twitter Based Badmood Index and Committed Suicides In: Intersections East-European Journal of Society and Politics 3(1): 56-75. (co-authors Károly Bozsonyi and Zoltán Kmetty)

Core Ties Homophily and Sociocultural Divides in Hungary from 1987 to 2015 In: International Journal of Sociology. 47(3): 228-249. (co-authors Zoltán Kmetty and Róbert Tardos)

A bevándorlókkal kapcsolatos attitűdök belső szerkezete és az attitűdök változása 2002 és 2015 között Magyarországon a European Social Survey (ESS) adatai alapján. (The internal structure of attitudes towards immigrants and changes in attitudes between 2002 and 2015 in Hungary, based on data from the European Social Survey (ESS)) In: Socio.hu: Társadalomtudományi Szemle (Socio.hu: Social Science Review) 8(2): 4-23. (co-author: Ildikó Barna)

Társadalmi mobilitás – kapcsolathálózati megközelítésben. (Social Mobility – from a network approach) In: Kolosi Tamás – Tóth István György (eds.): Társadalmi Riport 2018. (Hungarian Social Report 2018.)

Budapest: TÁRKI. (co-author: Zoltán Kmetty)

A big data lehetséges szerepe a pártpreferenciabecslésekben magyarországi pártok és politikusok Facebook-oldalainak adatai alapján: Módszertani kísérlet. (The Potential Role of Big Data in Estimating Party Preferences, Based on Facebook Pages of Hungarian Parties and Politicians: a Methodological Experiment) In: Politikatudományi Szemle (Review of Political Science) 27(2): 84-120. (co-author: Ádám Stefkovics)

Old problems, new approaches: temporal trends of suicide related expressions in different online social media networks - a multiplatform study. Presentation at the XXXVIII Sunbelt Conference. University of Utrecht, The Netherlands. (co-authors: Károly Bozsonyi and Zoltán Kmetty)

A big data lehetséges szerepe a választási előrejelzésekben: egy módszertani kísérlet. (The Potential Role of Big Data in Estimating Party Preferences: a Methodological Experiment) Presentation at the 24th Conference of the Hungarian Association of Political Science. Budapest, Hungary. (co-author: Ádám Stefkovics)

The changes of attitudes towards immigrants in the turbulent years of the anti-immigrant campaign in Hungary. Presentation at the European Social Survey - 2nd ESS Visegrad Regional Network Conference. Budapest, Hungary. (co-author: Ildikó Barna)

**2017** A HPV-oltás és a szülői egészségértés: kanyargós út az oltásig (HPV vaccination and parental health literacy - the winding path leading to vaccination) In: Egészségfejlesztés 58(4):10-19. (co-authors Eszter Kun, Zsófia Gács, Angéla Benedek, Zsófia Mészner)

Az iskolai oltási programban felajánlott HPV-oltással kapcsolatos szülői egészségértés (parental health literacy) hazai felmérése (Survey on Parental Health Literacy about the HPV Vaccination, Offered in the School Vaccination Programme) Gyermekgyógyászati Továbbképző Szemle 22(4): 197-200. (co-authors Eszter Kun, Zsófia Gács, Angéla Benedek, Zsófia Mészner)

A lakóhely hatása a társadalmi kapcsolatokra (The effect of housing on social network). In: Imre Kovách (ed.): Társadalmi integráció: Az egyenlőtlenségek, az együttműködés, az újraelosztás és a hatalom szerkezete a magyar társadalomban. (Social Integration: Inequalities, cooperation, redistribution and the structure of power in the Hungarian society). Szeged - Budapest: Belvedere Meridionale: 359-375. (co-author Dóra Nemes)

Normák, értékek, integráció: A segítési hajlandóság társadalmi tényezői - egy kérdőíves kísérlet eredményei (Norms, values, integration: The social factors of willingness to help - the results of a survey experiment). In: Imre Kovách (ed.): Társadalmi integráció: Az egyenlőtlenségek, az együttműködés, az újraelosztás és a hatalom szerkezete a magyar társadalomban. (Social Integration: Inequalities, cooperation, redistribution and the structure of power in the Hungarian society). Szeged - Budapest: Belvedere Meridionale: 359-375. (co-authors: Luca Kristóf and Bori Simonovits)

The diverse role of social network in the transmission of inequalities. Presentation at the ISA (International Sociological Association) RC28 Summer Meeting. Columbia University, New York, USA. (co-author Zoltán Kmetty)

Collapse of an Online Social Network: The Blame on Social Capital. Presentation at 3rd European Conference on Social Networks. Mainz, Germany (co-authors László Lőrincz, Anna Győr and Károly Takács)

Theory in practice. Diffusion of and innovation in social and physical space. Presentation at the Computational Social Science at Work: Life Cycle of an Online Social Network. Budapest, Hungary. (co-author Bence Ságvári)

Collapse of an Online Social Network: The role of social capital. Presentation at the Computational Social Science at Work: Life Cycle of an Online Social Network. Budapest, Hungary. (co-authors László Lőrincz, Anna Győr and Károly Takács)

Core discussion network stability and changes over 20 years between 1997 and 2015. Presentation at the



64th Jour Fixe, Academic Symposium. Hungarian Academy of Sciences, Centre for Social Sciences, Institute of Sociology. Budapest, Hungary (co-authors: Fruzsina Albert and Beáta Dávid)

The diverse role of social network in the transmission of inequalities. Presentation at the 61st Jour Fixe, Academic Symposium. Hungarian Academy of Sciences, Centre for Social Sciences, Institute of Sociology. Budapest, Hungary (co-author: Zoltán Kmetty)

Az egyenlőtlenségek továbbörökítésének kapcsolathálózati aspektusai (The network aspects of the transmission of inequalities). Presentation at the Conference of the Birthday of Rudolf Andorka. Budapest, Hungary (co-author: Zoltán Kmetty)

Szülői egészségértés és vakcinációs hajlandóság 2017-ben Magyarországon (Parental Health Literacy and Willingness of Vaccination in Hungary 2017). Presentation at the Annual Conference of the Association of Hungarian Pediatricians. Győr, Hungary. (coauthors: Zsófia Gács and Eszter Kun)

Juvenilis idiopathias arthritissel gondozott gyermekek szüleinek egészségértése (Health Literacy of parents of children with Juvenilis idiopathias arthritis) Presentation at the Annual Conference of Hungarian Rheumatologists. Siófok, Hungary. (co-authors: Zsófia Gács, Bianka Gaál, Angelika Kovács, Emese Kovács, Petronella Purgai, Gábor Csanády and Tamás Constantin)

Minden, amit tudni akartál a logisztikus regresszióról, de nem merted megkérdezni (Everything you wanted to know about logistic regression, but was afraid to ask) Presentation of the 'Módszeresen' – Regular Presentation on Social Research Methodology. Budapest, Hungary (co-author: Dorottya Kisfalusi)

**2016** Egységértés Magyarországon a nemzetközi eredmények tükrében (Health Literacy in Hungary in the Light of International Results) In: Orvostovábbképző Szemle 23(9): 77-81.

Az egészségértés gyakorlati mérése Magyarországon és nemzetközi összehasonlításban (The practical measurement of health literacy in Hungary and in international comparison) In: Orvosi Hetilap 157(50): 2002-2006.

A magyarországi egészségértés nemzetközi összehasonlításban (Hungarian health literacy in international comparison) In: Egészségfejlesztés 57(3): 3-20. (co-author: Eszter Kun)

Kisgyermekes szülők a koragyermekkorai intervencióban - magyarországi tapasztalatok egy nagymintás kutatás tükrében (Parents with infants in the early childhood intervention -observations in the light of large-scale researches) In: Mónika Földvári and Tünde T. Hakkel (eds.): Riport a családokról: A Család-, Ifjúság- és Népesedéspolitikai Intézet kutatási eredményei 2015. (Riport about the families: Research results of the National Institute for Family, Youth and Population Policy) Budapest: National Institute for Family, Youth and Population Policy – L'Harmattan: 15-41. (co-authors: Szilvia Ferenczi, Judit Csákvári, Anna Sára Ligeti)

Státuszjelzés, társas támogatás, társadalmi törésvonalak: A kapcsolathálózati integráció aspektusai (Status attainment, social support, social cleavages: The integrational aspects of social networks) In: Socio.hu 6(3):1-21. (co-author: Zoltán Kmetty)

Determinants of Social Cooperation: A Survey Experiment. Presentation at the 3rd ISA (International Sociological Association) Forum of Sociology. Wien, Austria. (co-authors: Gábor Hajdu, Luca Kristóf and Bori Simonovits)

Life cycle of an online social network. Poster at The 3rd GESIS Computational Social Science Winter Symposium. Cologne, Germany (co-author: Bence Ságvári)

Collapse of an Online Social Network: Who Started the Avalanche? Presentation at the AoIR 2016: Internet Rules Conference. Berlin, Germany. (co-authors: László Lőrincz, Anna Győr and Károly Takács)

Organizer and chair of the plenary session 'Big Data' at the Annual Conference of the Hungarian Sociological Association. Pécs, Hungary.

"Hány éves Ön?" Tabudöntögetés network és big data alapokon („How old are you” - breaking down taboos on the base of network and big data) Presentation at the Annual Conference of the Hungarian Sociological Association. Pécs, Hungary (co-author: Bence Ságvári)

The changing structure of core discussion networks - a longitudinal study. Presentation at the 2nd European Conference on Social Networks. Paris, France (co-authors: Fruzsina Albert and Beáta Dávid)

Defining integration and segregation mechanisms with network structures. Presentation at the 2nd European Conference on Social Networks. Paris, France (co-author: Kmetty Zoltán)

Causality and Big Data. Big data workshop - Presentation at the workshop of the Hungarian Central Statistical Office and the Hungarian Academy of Sciences. Budapest

**2015** Kapcsolathálózatok mérése - elméleti és gyakorlati dilemmák, lehetőségek (The measurement of social networks - theoretical and practical dilemmas and opportunities) In: Socio.hu 5(4): 34-49. (co-author: Kmetty Zoltán)

A kvanti-kvali áldilemmán túl. (Over the quali-quant pseudo-dilemma) In: Szociológiai Szemle (Review of Sociology) 25(2): 31-49. (co-authors: Endre Sik and Bori Simonovits)

A határon túli területek szubjektív közelsége. (The subjective closeness of transborder territories) In: Sik Endre - Surányi Ráchel (eds.): Határhatások. (Border-effects) Budapest: ELTE TáTK - TÁRKI: 316-330. (e-book) (co-author: Anna Sára Ligeti)

A határokon átnyúló munkaerő-piaci és jövedelemszerző mozgások. (Cross-border income and labour market migration) In: Sik Endre - Surányi Ráchel (eds.): Határhatások. (Border-effects) Budapest: ELTE TáTK - TÁRKI: 252-265. (e-book) (co-author: Endre Sik)

A nemzeti identitás alakulása különböző földrajzi-nemzetiségi alcsoportok között - egy mérési kísérlet (National identity between the different geological and national subgroups - an experiment of measurement) In: Sik Endre - Surányi Ráchel (eds.): Határhatások. (Border-effects) Budapest: ELTE TáTK - TÁRKI: 396-408. (e-book)

The Growth of an Online Social Network: Social Diffusion Based on Big Data. Presentation at the Annual Conference of the Hungarian Sociological Association: Sociology of Uncertainty - Conference for the Memory of Elemér Hankiss. Budapest (co-author: Ságvári Bence)

**2014** Túl a regresszión. Újfajta modellek felhasználási lehetőségei a társadalomtudományokban. Doktori tézisek. (Over the regression. Analytical potential of novel methods in social sciences. Doctoral thesis.) In: Socio.hu 4(2): 52-57.

The longitudinal change of core discussion networks. Presentation at the 1st European conference on social networks. Barcelona, Spain. (co-authors: Beáta Dávid and Fruzsina Albert)

Structural rifts - a new, network based method for the exploration of social cleavages. Paper for the 25th Jour Fixe, Academic Symposium. Hungarian Academy of Sciences, Centre for Social Sciences, Institute of Sociology. Budapest, Hungary (co-author: Zoltán Kmetty)

The Growth of an Online Social Network: Diffusion and Methodological Challenges. Presentation at the Central European University. CEU Center for Network Science - TK "Lendület" Recens research group, Budapest (co-author: Bence Ságvári)

**2013** Over the regression. Analytical potential of novel methods in social sciences. Doctoral thesis, defended at the ELTE Faculty of Social Sciences, Doctoral School of Sociology

A strukturális egyenletek modellezésének bemutatása egy komplex dizájnú kutatás (ISPJ) adatain keresztül (The presentation of Structural Equation Modeling through a complexdesigned research (ISJP)). In: Szociológiai Szemle (Review of Sociology) 23(2): 31-51.

Nemzeti identitás a különböző földrajzi-nemzetiségi alcsoportok között (National identity between the different geological and national subgroups) In: Pro Minoritate 2013(tavaszi): 60-78.

Görög-magyar görbe tükör (Greek-Hungarian devious mirror) In: Fokasz Nikosz (ed.) Identitások határán. (On the edge of identities) Budapest: Új Mandátum Könyvkiadó, 2013. 76-92. (ISBN: 9789632870625)

A strukturális egyenletek modellezésének bemutatása egy komplex dizájnú kutatás (ISPJ) adatain keresztül (The presentation of Structural Equation Modeling through a complexdesigned research (ISJP)). Presentation at the Quantitative Methods Conference, organized by the Review of Sociology, Eötvös Loránd University of Sciences and Fényes Elek workshop, Budapest

Structural rifts – a new, network based method for the exploration of social cleavages. Presentation at the Hungarian Academy of Sciences TK. Recens – Lendület research group, Budapest (co-author: Zoltán Kmetty)

Értelem és érzelem a választási részvétel mögött (Sense and sensibility behind the electoral participation.) Presentation at Kulcskérdések: Értelem és Érzelem konferencia (Key Issues: Sense and sensibility conference), Eötvös Loránd University of Sciences, Faculty of Social Sciences, Budapest (co-author: Zoltán Kmetty)

**2012** Határokon átnyúló munkaerő-piaci és jövedelemszerző mozgások a végeken (Cross-border income and labour market migration) In: Kolosi Tamás, Tóth István György (eds.): Társadalmi Riport 2012 (Social Report 2012) Budapest: TÁRKI Institute. pp. 209-226. (ISBN:1216-6561) (co-author: Endre Sik) editor: Változó képletek, változatos perspektívák: Tanulmányok Tardos Róbert 65. születésnapjára (Varying formulas, various perspectives: Studies for the 65th birthday of Róbert Tardos) Budapest: Háttér, 2012. 287 p. (ISBN:978-615-5124-05-1) (co-author: Zoltán Kmetty)

A kommunikáció intenzitásának és heterogenitásának hatása a politikai részvételre (The effect of the intense and heterogeneity of communication on the political participation) In: Kmetty Zoltán – Koltai Júlia (eds.): Változó képletek, változatos perspektívák: Tanulmányok Tardos Róbert 65. születésnapjára (Varying formulas, various perspectives: Studies for the 65th birthday of Róbert Tardos) Budapest: Háttér, 2012. pp. 158-209. (ISBN:978-615-5124-05-1) (co-author: Zoltán Kmetty)

Munkaerő-piaci és jövedelemszerző mozgások a határmenti térségben (Income and labor migration at the border-line area) Presentation at Progresszió-regresszió – A Magyar Szociológiai Társaság éves konferenciája (Progression-regression – The annual conference of the Hungarian Sociological Association), Central European University, Budapest (coauthor: Endre Sik)

Határokon átnyúló munkaerő-piaci és jövedelemszerző mozgások a végeken (Cross-border income and labour market migration) Presentation at A magyar társadalom 2012-ben: trendek és perspektívák EU összehasonlításban (The Hungarian society in 2012: trends and perspectives in comparison with the EU), conference of the Friedrich Ebert Stiftung Foundations and TÁRKI Institute, Budapest (co-author: Endre Sik)

A kommunikáció intenzitásának és heterogenitásának hatása a politikai részvételre (The effect of the intense and heterogeneity of communication on the political participation) Presentation at the conference for the 65th birthday of Róbert Tardos. Eötvös Loránd University of Sciences, Budapest. (co-author: Zoltán Kmetty)

A politikai részvétel beágyazottsága a politikai diskurzusba (The embeddedness of political participation into political discourse) Presentation at the conference of Hungarian Sociological Association and Hungarian Association of Political Sciences. Károlyi Gáspár University of the Reformed Church in Hungary, Budapest. (co-author: Zoltán Kmetty)

The embeddedness of political participation into political discourse. Presentation and conference paper at 11th International Doctoral Seminar in Social Sciences. European Graduate School for Social Sciences, Telc. (co-author: Zoltán Kmetty)

**2011** Knowledge and Policy: an inseparable couple. Research Report on Knowledge and Policy, funded by the European Commission within the Sixth Framework Program (co-authors: Gábor Erős et al.)

A nyugdíjrendszerrel kapcsolatos igazságossági attitűdök - a vignettás módszer - elemzési lehetőségei

(Attitudes towards the justice of pensions – the analytical possibilities of the factorial survey) In: Örkény Antal – Székelyi Mária (eds.) Az igazságosság labirintusaiban:

Társadalmi méltányosság és generációs igazságosság a 21. század Magyarországon (In the labyrinth of justice: Social fairness and intergenerational justice in Hungary at the 21st century) Budapest: Sík Kiadó, 2011. pp. 147-170. (ISBN:978-963-9270-29-9)

A munkáltatók munkavállalói kiválasztási gyakorlata a diszkrimináció tükrében (The practice of employers on the selection of employees from the perspective of discrimination) Budapest: Egyenlő Bánásmód Hatóság (Equal Treatment Authority), pp. 32-43 (ISBN : 978-963-89774-1-0) (co-author: Bori Simonovits)

A munkáltatók attitűdjeinek és a védett tulajdonságokkal rendelkező munkavállalók munkaerő-piaci foglalkoztatottságának és a megfelelő munkafeltételek biztosításának összefüggései (The correspondence between the attitude of employers, the eligible workingconditions and the employment of employees with protected attitudes at the labour market) Budapest: Egyenlő Bánásmód Hatóság (Equal Treatment Authority) pp. 2-176. (co-author: Bori Simonovits)

Definíciók a gyakorlatban: a cigánysághoz való kötődés a két mintában (Definitions in practice: Attachment to roma identity in two samples) In: Kurucz Erika (ed.) Élethelyzetek a társadalom peremén: Roma kutatások 2010 (Life situations on the edge of society: Roma researches 2010). Budapest: National Institute of Family and Social Politics, 2011. pp. 171-188. (ISBN:978-963-7366-45-1)

Feladatgyűjtemény a társadalomkutatás módszereihez I. (Handbook for the Methodology of Social Research I.) Budapest: Eötvös Loránd University of Sciences, Faculty of Social Sciences. (co-authors: Mária Székelyi Székelyi and Anikó Gregor)

Elemzési módszerek kétmintás kutatásokhoz (Analytical methods for researches with two samples) Presentation at Conference and workshop about the first results of the TÁMOP 5.4.1 Modernization Project, National Institute of Family and Social Politics, Budapest

Definíciók a gyakorlatban: a cigánysághoz való kötődés a két mintában (Definitions in practice: Attachment to roma identity in two samples) Presentation at the Closing conference for professionals of the 5rd pillar of the TÁMOP 5.4.1 Modernization Project, Budapest

A roma kutatások módszertana (The methodology of researches on Roma people) Presentation at the Closing conference for professionals of the 5rd pillar of the TÁMOP 5.4.1 Modernization Project, Budapest  
Etikai dilemmák a kvantitatív társadalomkutatásban, avagy... (Ethical dilemmas in the quantitative social research) Presentation at Kulcskérdések: Etikai dilemmák (Key Issues: Ethical dilemmas conference), Eötvös Loránd University of Sciences, Faculty of Social Sciences, Budapest (co-author: Ildikó Barna)

**2010** A nyugdíjrendszerrel kapcsolatos igazságossági attitűdök - egy bonyolult struktúrájú adatbázis feldolgozási lehetőségei (The attitudes towards justice of pensions – analytical possibilities of a complex database) In: Némédi Dénes, Szabari Vera (ed.) Kötő-jelek 2009: Az Eötvös Loránd Tudományegyetem Társadalomtudományi Kar Szociológiai Doktori Iskolájának Évkönyve (The annual yearbook of the Doctoral School of Eötvös Loránd University of Sciences) Budapest: Eötvös Loránd University of Sciences, Faculty of Social Sciences, Sociological Doctoral School) pp. 137-169.

They had a dream Making health care providers accountable. Or not.: Hungarian hospitals at the crossroad of knowledges and policies. Orientation 2 Public Action 2 National report Hungary – Health Research Report on Knowledge and Policy, funded by the European Commission within the Sixth Framework Program (co-authors: Gábor Erőss et al.)

From the Engagement to the Divorce of Knowledge and Policy: DRG: a knowledge-based regulatory instrument in the Hungarian health sector. Research Report on Knowledge and Policy, funded by the European Commission within the Sixth Framework Program (coauthors: Gábor Erőss et al.)

All against misdiagnosis: sociologists, neurologists, economists, psychologists and special educators for inclusion. Research Report on Knowledge and Policy, funded by the European Commission within the

Sixth Framework Program pp. 4-124. (co-authors: Gábor Erőss et al.)

Újfajta mérési modellek a társadalmi igazságosság longitudinális mérésére (New methods for the longitudinal measurement of social justice) Presentation at the Annual Conference of the Hungarian Sociological Association: Conflicts and Innovation, Budapest

Kvantitatív társadalomkutatás tengeren innen és túl (Quantitative social research in continental and overseas context) Presentation at the Annual Conference of the Hungarian Sociological Association: Conflicts and Innovation, Budapest (co-author: Ildikó Barna)

The investigation of the disease-related group (DRG) system as a knowledge-based regulatory instrument in Hungary. Presentation at the 5th Interpretive Policy Analysis Conference, Grenoble (co-authors: Sára Levendel and Borbála Fernezely)

Egyéni és társadalmi életutak (Individual and social walks of life) In: Mózer Péter et al. A szociális segélyezés szerepe a segélyezettek életminőségének alakulásában (The role of social aid in the forming of the life of clients) Budapest: Office of Employment and Social Affairs, pp. 104-119.

Attitudes towards the justice of pensions in Hungary, a possible approach of the multilevel modeling at the case of a "vignette" study. Presentation and conference paper at EUSOC 9th International Doctoral Seminar in Social Sciences, Telc.

**2009** Tudás és politika az oktatás- és egészségügyben: A Knowledge and Policy kutatás részeredményei (Knowledge and policy on the field of health-care and education: results of the research on "Knowledge and Policy") Presentation at Social status-drawings conference, Hungarian Academy of Sciences, Institute of Sociology, Budapest (co-authors: Sára Levendel and Borbála Fernezely)

Attitudes towards the justice of pensions in Hungary. Presentation at the International Social Justice Project Conference, Haifa, Israel

A possible approach of the multilevel modeling at the case of a "vignette" study. Presentation at the 14th Young Statisticians Meeting. Bassovizza, Italy

A magyar nyugdíjrendszerrel kapcsolatos attitűdök a különböző generációkban. (Attitudes towards the justice of pensions in the different generations) Presentation at the 1989-2009 Hungarian Generations conference, Hungarian Academy of Sciences, Institute of Sociology, Budapest

**2008** Családi és szociális okok az "SNI-diagnózis" hátterében : a roma tanulók helyzete az adatok tükrében (Family and social causes in the background of the diagnosis of children with special need: the situation of roma pupils in the mirror of datas) In: Erőss Gábor, Kende Anna (eds.) Túl a szegregáción: Kategóriák burjánzása a közoktatásban (After segregation: prolificacy of categories in public education) Budapest: L'Harmattan Kiadó, pp. 259-275. (ISBN:978 963 963 236 143 7)

A TÁRKI HÉV - 2007 kutatás súlyozása (The weighting of the research on walk of life of households 2007) In: Tamás Kolosi, István György Tóth (eds.) Újratervezés: Életutak és alkalmazkodás a rendszerváltás évtizedeiben. kutatási jelentés "Háztartások életút vizsgálata" (HÉV) alapján (Recalculating: Walks of life and conformity at the end of the communist regime, research report about research on the walks of life of households) Budapest: TÁRKI, pp. 207-222. (co-author: Tamás Rudas)

A rizikómagatartás szocio-kulturális háttere serdülők körében (The socio-cultural background of the risks of habits in the group of pubescent) In: Murányi István (ed.) Keletmagyarországi középiskolások egészségmagatartása (The health habits of highschool students in Eastern-Hungary) Debrecen: Kossuth Egyetemi Kiadó, pp. 61-112. (ISBN:978 963 473 122 1) (co-authors: Éva Huszti and Lajos Hüzse)

Considering sample attrition in panel data. A possible solution of a weighting problem. Presentation at 13th Young Statisticians Meeting. Balatonfüred, Hungary

**2007** Beszéljünk róla?: A Magyar Agora deliberative poll hatása a romasággal kapcsolatos véleményekre (Should we talk about it? The effect of Hungarian Agora deliberative poll to the opinions about Roma people) In: Örkény Antal, Székelyi Mária (ed.) Deliberatív közvélemény-kutatás a magyarországi romák és

nem romák viszonyáról (Deliberative poll about the relations between Romas and non-Romas) Budapest: Eötvös Loránd University of Sciences, Faculty of Social Sciences, pp. 105-131. (ISBN:978-963-463-948-0) (co-author: Zoltán Lippényi)

## **Awards and Honours**

### ***Successful Grants and Awards***

#### **2022-2027**

Principal investigator of the Lendület („Momentum”) grant of the Hungarian Academy of Sciences. Title of the research: Social Structure and Inequalities Through the Lens of Digital Data (funding: ~ 425,000 euro)

#### **2022-2026**

Co-Applicant of the grant of the National Research, Development and Innovation Office in Hungary for the Establishment and Complex Development of National Laboratories (Nemzeti Laboratóriumok létrehozása, komplex fejlesztése). Title of the laboratory: National Laboratory for Health Security (part of the funding for Centre for Social Sciences: ~ 250,000 euro)

#### **2022-2025**

Co-applicant of the grant 'Humanized Algorithms: Identifying and Mitigating Algorithmic Biases in Social Networks.' Principal investigator: Fariba Karimi (Complexity Science Hub, Vienna). Other co-applicant: Markus Strohmaier (RWTH Aachen). (part of the funding for Centre for Social Sciences: 25,150 euro)

#### **2019-2024**

Principal investigator of the Grant of the National Research, Development and Innovation Office in Hungary. Title of the research: „Social history analysis of the press between 1945 and 1989 with the methods of natural language processing (NLP)" (funding: ~78,000 euro)

#### **2022**

Ferenc Erdei Memorial Medal of the Hungarian Sociological Association for young sociologists of outstanding professional achievement

#### **2022**

Award for the most prestigious publication of the year 2022. Centre for Social Sciences, Computational Social Science - Research Center for Educational and Network Studies (CSS-RECENS)

#### **2019-2022**

Grant of the Premium Postdoctoral Research Program at the Hungarian Academy of Sciences. Title of the research: 'The application of Big Data and Natural Language Processing in the Social Sciences' (funding: ~97,000 euro)

#### **2020**

Award for the year's promising researcher of Faculty of Social Sciences, Eötvös Loránd University

#### **2020**

Award for the most prestigious publication of the year 2019. Hungarian Academy of Sciences, Centre for Social Sciences, Computational Social Science - Research Center for Educational and Network Studies (CSS-RECENS)

#### **2017-2018**

Grant of the New National Excellence Programme. Title of the research: Big Data in Social Sciences: Possibilities and Methodological Challenges of New Type of Data. (funding: ~9.000 euro)

**2007-2010**

Grant of the ELTE Doctoral School of Sociology

**2007**

Award for the best thesis (Faculty of Social Sciences, Eötvös Loránd University)

**2006-2007**

Grant of the Republic

**2005-2006**

Grant of the Republic

**2004-2005**

Grant of the Republic

**Teaching Experience**

**2022-** associate professor

ELTE Faculty of Social Sciences, Institute of Empirical Studies, Department of Social Research Methodology

**2023** summer school instructor

Summer School in Social Research Methods (SSSRM) organised by MethodsNET and Radboud University (courses: Survey and Questionnaire Design; Intro to Math for Social Scientists)

**2022** summer school instructor

Summer School in Social Research Methods (SSSRM) organised by MethodsNET and Radboud University (courses: Survey and Questionnaire Design; Regression 2: Logistic Regression and General Linear Models: Binary, Ordered, Multinomial and Count Outcomes; Intro to Math for Social Scientists)

**2019-2021** visiting faculty

Central European University, Department of Network and Data Science (courses: Social Networks 1; Social Networks 2; Introduction to Programming in Python)

**2019-2020** winter school instructor

European Consortium for Political Research (ECPR) Winter School in Methods and Techniques at the University of Bamberg. (course: Structural Equation Modeling in R)

**2018-2019** summer school instructor

European Consortium for Political Research (ECPR) Summer School in Methods and Techniques at the Central European University. Title of the courses: „Introduction to Logistic Regression and General Linear Models: Binary, Ordered, Multinomial and Count Outcomes”, „Math for Social Scientists” and „Survey Design and Analysis”

**2014-2022** assistant professor

ELTE Faculty of Social Sciences, Institute of Empirical Studies, Department of Social Research Methodology

**2009-2010** external lecturer

Széchenyi István College for Advanced Studies

**2008- 2014** assistant lecturer

ELTE Faculty of Social Sciences, Department of Social Research Methodology

**2007-2008** lecturer as a PhD student

ELTE Faculty of Social Sciences, Department of Social Research Methodology

**2005-2008** member of the consultation team on mathematical statistics

ELTE Faculty of Social Sciences, Consultation Team on Mathematical Statistics

**2004-2005** demonstrator

## **Further Affiliations**

**2020-2022** Researcher in the Data Science team of the Hungarian Coronavirus Task Force  
Bolyai Institute, University of Szeged

**2018-2021** Researcher

Hungarian Academy of Sciences, Center for Social Sciences, Institute for Sociology: 'Uncovering patterns of social inequalities and imbalances in large-scale networks' – National Scientific Research Program funded research (K129124) (research leader: Bence Ságvári)

**2018-2020** researcher

ELTE Faculty of Social Sciences – Research Centre for Computational Social Science

**2014-2018** research fellow

Hungarian Academy of Sciences, Center for Social Sciences, Institute of Sociology

**2017-2018** Principal Investigator

Grant of the New National Excellence Programme. Title of the research: Big Data in Social Sciences: Possibilities and Methodological Challenges of New Type of Data. Faculty of Social Sciences, Eötvös Loránd University.

**2017-2019** researcher

Hungarian Academy of Sciences, Center for Social Sciences: Incubator Programme on the Algorithmic Public Spheres (research leader: Bence Ságvári)

**2016-2020** researcher

Hungarian Academy of Sciences, Center for Social Sciences, Institute of Sociology: 'Explaining welfare attitudes: general moral principles, issue framing and survey design' – National Scientific Research Program funded research (K120070) (research leader: Béla Janky)

**2015-2019** researcher – on the development of analytical methods of triadic networks

RECENS Research Group: Gossip, reputation and cooperation: The informal buildingblocks of social order – National Scientific Research Program funded research (K112929) (research leader: Károly Takács)

**2014-2017** researcher

Hungarian Academy of Sciences, Center for Social Sciences, Institute of Sociology – Central European University: The lifecycle of an online social network: big data analysis – National Scientific Research Program funded research (K112713) (research leader: Bence Ságvári)

**2016-2017** senior researcher

ELTE Faculty of Social Sciences – National Council for Crime Prevention

**2016-2017** analyst researcher of the research on Hungarian Parental Health Literacy  
Szinapszis Ltd.

**2017** expert on research methodology of the research about the practical realization of the directive on access to a lawyer

Hungarian Helsinki Committee

**2015** expert on research methodology of the research about the understanding the letter of rights  
Hungarian Helsinki Committee

**2014-2017** researcher

Hungarian Academy of Sciences, Center for Social Sciences, Institute of Sociology: Integration and desintegration processes in the modern Hungarian society – National Scientific Research Program funded



research (K108836) (research leader: Imre Kovách)

**2015** expert on research methodology of the research about the understanding the letter of rights  
Hungarian Helsinki Committee

**2015** analyst researcher of the research on Hungarian Health Literacy – connected to The  
European Health Literacy Project  
Szinapszis Ltd.

**2015** analyst researcher of the research on the exploration of client-paths and parental competences  
connected to early-childhood intervention

National Institute of Family and Social Policy – Nowart: TÁMOP 5.2.6-13/1-2014-0001

**2012-2013** research leader, expert on methodology of nine nationwide research on people in  
disadvantageous situation

NCSSZI, TÁMOP 5.4.1-12, research pillar – researches on the accessibility of social services in the  
different groups of the society

**2011-2013** researcher

ELTE Faculty of Social Sciences – „Budapest 2012” research

**2013** Creation of the research design, empirical and analytical researcher in the research on disciplinary  
procedures in the Hungarian detention facilities

Hungarian Helsinki Committee

**2011-2013** researcher – processing and analyzing archives data, making and analyzing interviews

National Municipality of the Hungarian Greeks – „Research on the Hungarian Greek people”

**2011-2012** researcher

ELTE Faculty of Social Sciences – „Border as a complex system” research

**2011** researcher

ELTE Faculty of Social Sciences – „Network of the roma people in Budapest” research

**2010-2011** expert on methodology of two nationwide research about roma people NCSSZI, TÁMOP  
5.4.1, V. research pillar – research on the exclusion and living condition of roma people

**2010-2011** leader of the research and analyst

NCSSZI, TÁMOP 5.4.1, III. research pillar – Nationwide research on Family Services

**2010** researcher

TÁMOP 2.5.2 és TÁMOP 5.5.5 – „Employment Relations on Workplaces 2010” research

**2009-2010** expert on methodology

ELTE System for tracking graduates’ careers – member of the preparatory methodological team

**2009-2010** researcher

Hungarian Academy of Sciences, Institute of Sociology – research on “Knowledge and Policy”

**2007-2010** researcher

International Social Justice Project – Hungarian research

**2007** weighting data of empirical databases

TÁRKI Zrt. – Tamás Rudas

**2007** researcher and analyst

Hungarian Academy of Sciences, Institute of Sociology – research on the pronounce of “special needs”  
of Roma children

**2007** analyst and author of papers

National Civil Fund – research on surveying the civil organizations

**2005** organizer and analyst

Deliberative Poll about Roma and Non-roma (leader of the research: Mária Székelyi DSc and Antal Örkény DSc)

### **Other relevant CV records**

Professional knowledge of Microsoft Office programs (Word, Excel and PowerPoint)

Professional knowledge of Python

Professional knowledge of R

Professional knowledge of SPSS (Statistical Package of Social Sciences)

Professional knowledge of AMOS (program for Structural Equation Modelling)

Professional knowledge of STATA (statistical program)

Knowledge of Clementine (datamining program)

Driving licence

Total number of independent citations: 559

H-index: 11

### **Languages**

- English (Proficient)
- French (Intermediate)