

MATÚŠ ADAMKOVIČ

ACADEMIC CV

Date of birth: 15.4.1992
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E-mail: matho.adamkovic@gmail.com

Research interests:

methodology of behavioral research and statistical inference; replicability of (behavioral) research; network approach to psychopathology; meta-science

WORK EXPERIENCE

2022 – Present

- ERC project ORE, Faculty of Humanities and Social Sciences, University of Jyväskylä, Finland

2019 – Present

- Institute of Social Sciences, CSPS Slovak Academy of Sciences – researcher

2020 – 2022

- PRIMUS Center for meta-research in education, Charles University, Prague, Czechia – researcher

2019 – 2023

- Institute of Psychology, University of Presov, Slovakia – researcher

2014 – 2019

- Trojlistok NGO – part-time psychologist (2014 - 2018 volunteer)

GRANTS

Principal investigator

2024 – 2027

- **PRIMUS/24/SSH/17** (Charles University); “Systematic research on the empirical robustness of effects in education and psychology”; 11 720 212 CZK ≈ 480 000 EUR

2021 – 2023

- **APVV-20-0319** (Slovak Research and Development Agency); “Behavioural aspects of COVID-19: Mapping the COVID-related behaviours and psychological, social, and economic consequences of the pandemic”; 205 000 EUR

2020

- **GaPU 10/2020** (University of Presov); “Poverty in behavioral research: Different operationalizations, different results”; 950 EUR

Investigator

2023 – Present

- **APVV-22-0458** (Slovak Research and Development Agency); “A large-scale meta-scientific analysis of the state of Slovak studies and final theses in social sciences”; 249 904 EUR

2022 – Present

- **Ontological Reconstruction of Gaming Disorder (ORE)** (European Research Council; ERC); 1 986 991 EUR

2021 – 2022

- **BIOFORD 313011AFG5** (Ministry of Transport and Construction of the Slovak Republic); “Systémová verejná výskumná infraštruktúra – biobanka pre nádorové a zriedkavé ochorenia [Systemic public research infrastructure – biobank for cancer and rare diseases]”; 18 734 882 EUR
- **LISPER 313011V446** (Ministry of Transport and Construction of the Slovak Republic); “Integratívna stratégia v rozvoji personalizovanej medicíny vybraných zhubných nádorových ochorení a jej vplyv na kvalitu života [“Integrative strategy in development of personalized medicine of selected malign oncological diseases and its effect on the quality of life”]; 12 773 811 EUR

2020 – 2022

- **PRIMUS/20/HUM/009** (Charles University); “Center for meta-research in education”; approx. 289 000 EUR (7 068 477 CZK)
- **VEGA 1/0217/20** (Research Grant Agency of Ministry of Education, Science, Research and Sport of the Slovak Republic); “Predictors of success in strategic and action PC games”; 17 792 EUR

2019 – 2023

- **APVV-18-0140** (Slovak Research and Development Agency); “Internet Gaming Disorder (IGD): risk factors, symptoms, and their measurement”; 200 000 EUR

2018 – Present

- **APVV-17-0418** (Slovak Research and Development Agency); “Posttraumatic subtype of depression and its etiopathogenesis: Network approach to psychopathology”; 238 887 EUR

2018 – 2020

- **VEGA 1/0870/18/** (Research Grant Agency of Ministry of Education, Science, Research and Sport of the Slovak Republic); “Negative impact of traumatic events: Verification and stability of the theoretical model of PTSD according to DSM-5”

2016 - 2020

- **APVV-15-0404** (Slovak Research and Development Agency); “Psychological causes and consequences of poverty”; 223 031 EUR

PUBLICATIONS

Summary

(more information at <https://scholar.google.sk/citations?hl=en&user=dfgTz4sAAAAJ>)

- **H-index = 14; Number of CC papers = 39** (including accepted and accepted-in-principle); **Number of citations = 870**

2023

- Adamkovič, M., Martončík, M., Karhulahti, V.-M., & Ropovik, I. (2023). Network structures of internet gaming disorder and gaming disorder: Symptom operationalization causes variation. *Psychology of Addictive Behaviors*. doi:10.1037/adb0000960
- Ropovik, I., Martončík, M., Babinčák, P., ... Adamkovič, M. (2023). Risk and protective factors for (internet) gaming disorder: A meta-analysis of pre-COVID studies. *Addictive Behaviors*. doi:10.1016/j.addbeh.2022.107590

- Rajčáni, J., Vargová, L., Adamkovič, M., & Kačmár, P. (2023). Statistical misconceptions, awareness, and attitudes towards open science practices in Slovak psychology researchers. *Studia Psychologica*. doi:10.31577/sp.2023.01.866
- Buchanan, E. M., Lewis, S. C., Paris, B., ... Adamkovič, M. ... Primbs, M. (2023). The Psychological Science Accelerator's COVID-19 rapid-response dataset. *Scientific Data*. doi:10.1038/s41597-022-01811-7
- Terry, J., Ross, R. M., Nagy, T., ... Adamkovič, M. ... Field, A. (2023). Data from an International Multi-Centre Study of Statistics and Mathematics Anxieties and Related Variables in University Students (the SMARVUS Dataset). *Journal of Open Psychology Data*, doi:10.5334/jopd.80
- Fedáková, D., Adamkovič, M., Loziak, A., & Kačmár, P. (2023). Modeling the Effect of Psycho-Socio-Economic Consequences of COVID-19 on Life Satisfaction: The Role of Deviation from a Balanced Time Perspective. doi:10.1163/22134468-bja10076
- Grossmann, I., Rottela, A., Hutcherson, C., ... Adamkovič, M., ... Wilkening, T. (2023) Insights into accuracy of social scientists' forecasts of societal change. *Nature Human Behaviour*. doi:10.1038/s41562-022-01517-1
- Papcunová, J., Martončík, M., Fedáková, D., Kentoš, M., & Adamkovič, M. (2023). Perception of hate speech by the public and experts: Insights into predictors of perceived hate speech toward migrants. *Cyberpsychology, Behavior, and Social Networking*. doi:10.1089/cyber.2022.0191

2022

- Adamkovič, M., Fedáková, D., Kentoš, M., ... Piterová, I. (2022). Relationships between satisfaction with life, posttraumatic growth, coping strategies, and resilience in cancer patients: A network analysis approach. *Psycho-oncology*. doi:10.1002/pon.5948
- Hajdu, N., Schmidt, K., Acs, G., ... Adamkovič, M., ... Szaszi, B. (2022). Contextual factors predicting compliance behavior during the COVID-19 pandemic: A machine learning analysis on survey data from 16 countries. *PLOS ONE*; doi:10.1371/journal.pone.0276970
- Vargová, L., Mikulášková, G., Fedáková, D., ... Adamkovič, M. (2022). Slovak parents' mental health and socioeconomic changes during the COVID-19 pandemic. *Frontiers in Psychiatry*. doi:10.3389/fpsy.2022.934293
- Karhulahti, V.-M., Adamkovič, M., Vahlo, J., ... von Bonsdorff, M. (2022). Reply to Billieux and Fournier (2022): Collaborative shortcut to ontological diversity. *Addiction Research & Theory*. doi:10.1080/16066359.2022.2160448
- Jozefiaková, B., Kaščáková, N., Adamkovič, M., Hašto, J., & Tavel, P. (2022). Posttraumatic Growth and Its Measurement: A Closer Look at the PTGI's Psychometric Properties and Structure. *Frontiers in Psychology*. doi:10.3389/fpsyg.2022.801812
- Adamkovič, M., Ropovik, I., & Martončík, M. (2022). The Effect of the Economic Situation on Time and Risk Preferences: Does Financial Literacy Matter? *Studia Psychologica*. doi:10.31577/sp.2022.02.850
- Vargová, L. & Adamkovič, M. (2022). In Search of Determinants of Time-Discounting in Monetary Choices: Personal Characteristics Matter Only a Little. *Studia Psychologica*. doi: 10.31577/sp.2022.03.856
- Delios, A., Clemente, E. C., Wu, T., ... Generalizability Tests Forecasting Collaboration, ... Uhlmann, E. (2022). Examining the generalizability of research findings from archival data. *PNAS*. doi: 10.1073/pnas.2120377119 [Member of Generalizability Tests Forecasting Collaboration]

- Dorison, C. A., Lerner, J. S., Blake, H. H., ... Adamkovič, M., ... Coles, N. (2022). In COVID-19 Health Messaging, Loss Framing Increases Anxiety with Little-to-No Concomitant Benefits: Experimental Evidence from 84 Countries. *Affective Science*. doi: 10.1007/s42761-022-00128-3
- Legate, N., Ngyuen, T.-v., Weinstein, N., ... Adamkovič, M., ... Ogbonnaya, C. E. (2022). A global experiment on motivating social distancing during the COVID-19 pandemic. *PNAS*. doi:10.1073/pnas.2111091119
- Bago, B., Kovacs, M., Protzko, J., ... Adamkovič, M., ... Aczel, B. (2022). Situational factors shape moral judgements in the trolley dilemma in Eastern, Southern and Western countries in a culturally diverse sample. *Nature Human Behaviour*. doi:10.1038/s41562-022-01319-5

2021

- Karhulahti, V.-M., Martončík, M., & Adamkovič, M. (2021). Measuring internet gaming disorder and gaming disorder: A qualitative content validity analysis of validated scales. *Assessment*. doi:10.1177/10731911211055435
- Papcunová, J., Martončík, M., Fedáková, D., Kentoš, M., Bozogánová, M., Srba, I., Moro, R., Pikuliak, M., Šimko, M., & Adamkovič, M. (2021). Hate speech operationalization: a preliminary examination of hate speech indicators and their structure. *Complex & Intelligent Systems*. doi:10.1007/s40747-021-00561-0
- Wang, K., Goldenberg, A., Dorison, C. A., ... Adamkovič, M., ... Moshontz, H. (2021). A multi-country test of brief reappraisal interventions on emotions during the COVID-19 pandemic. *Nature Human Behaviour*, doi:10.1038/s41562-021-01173-x
- Ropovik, I., Adamkovič, M., & Greger, D. (2021). Neglect of publication bias compromises meta-analyses of educational research. *PLOS ONE*. doi:10.1371/journal.pone.0252415
- Ropovik, I., Adamkovič, M., & Baník, G. (2021). Duševné zdravie ako komplexný dynamický systém: sieťový prístup k psychopatológii. [Mental health as a complex dynamic system: A network approach to psychopathology] *Ceskoslovenska Psychologie*, 65(1), 31–45. doi:10.51561/cspsych.65.1.31
- Jones, B. C., DeBruine, L. M., Flake, J. K., ... Adamkovič, M., ... Coles, N. A. (2021). To which world regions does the valence-dominance model of social perception apply? *Nature Human Behaviour*, 5(1), 159–169. doi:10.1038/s41562-020-01007-2
- Tierney, W., Hardy, J. H., III, Ebersole, C. R., ... Hiring Decisions Forecasting Collaboration, ... Uhlmann, E. L. (2020). Creative destruction in science. *Organizational Behavior and Human Decision Processes*, 161, 291–309. doi:10.1016/j.obhdp.2020.07.002 [Member of Hiring Decisions Forecasting Collaboration].

2020 and older

- Gurková, E., Adamkovič, M., Jones, T., Kurucová, R., Kalánková, D., & Žiaková, K. (2020). Factor analysis, validity of the perceived implicit rationing of nursing care instrument and prevalence and patterns of unfinished nursing care in Slovakia. *Journal of Nursing Management*, 28(8), 2036–2047. <https://doi.org/10.1111/jonm.12887>
- Tierney, W., Hardy, J., III, Ebersole, C. R., Viganola, D., Culture & Work Morality Forecasting Collaboration, ... Uhlmann, E. L. (2021). A creative destruction approach to replication: Implicit work and sex morality across cultures. *Journal of Experimental Social Psychology*, 93(104060), 104060. <https://doi.org/10.1016/j.jesp.2020.104060> [Member of Culture & Work Morality Forecasting Collaboration].
- Landy, J. F., Jia, M. L., Ding, I. L., ...The Crowdsourcing Hypothesis Tests Collaboration, ... Uhlmann, E. L. (2020). Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. *Psychological Bulletin*, 146(5), 451–479.

<https://doi.org/10.1037/bul0000220> [Member of The Crowdsourcing Hypothesis Tests Collaboration]

- Adamkovič, M. (2020). Consequences of poverty on economic decision-making: Assessing the verisimilitude of the cognitive mechanism. *Frontiers in Psychology*, 11, 171. <https://doi.org/10.3389/fpsyg.2020.00171>
- Kačmár, P. & Adamkovič, M. (2020). Replikačné štúdie v psychológii: Pojednanie o dvoch dôležitých otázkach [Replication studies in psychology: A discourse on two important issues]. *Československá psychologie*, 64(1), 66-83.
- Adamkovič, M. (2019). Objective poverty and willingness to delay gratification: Do different poverty thresholds and cognitive load matter? *Československá psychologie*, 64(Supplement 1), 2-14.
- Adamkovič, M., & Martončík, M. (2017). A Review of Consequences of Poverty on Economic Decision-Making: A Hypothesized Model of a Cognitive Mechanism. *Frontiers in Psychology*, 8. <https://doi.org/10.3389/fpsyg.2017.01784>
- Brestovanský, M., Kusý, P., & Adamkovič, M. (2016). Faktorová analýza testu prosociálneho morálneho uvažovania u 11-12 ročných žiakov [Factor analysis of the Test of prosocial moral reasoning in 11-12 years old students]. *Československá psychologie*, 60(5), 455-467.

Accepted/accepted-in-principle

- Karhulahti, V.-M., Martončík, M., Siutila, M., ... Adamkovič, M., ... Yoon, T.-J. (accepted-in-principle). PCI Registered Reports.
- Martončík, M., Karhulahti, V.-M., Jin, Y., & Adamkovič, M. (accepted-in-principle). Psychological predictors of long-term esports success: A Registered Report. PCI Registered Reports.
- Chen, S.-C., Szabelska, A., Chartier, C. R., ... Adamkovič, M., ... Schmidt, K. (accepted-in-principle). Investigating Object Orientation Effects Across 14 Languages. *Psychonomic Bulletin and Review*.
- Eastwick, P. W., Sparks, J., Finkel, E., Meza, E., Adamkovič, M., ... Coles, N. (accepted-in-principle). *Journal of Personality and Social Psychology*.

EDUCATION AND QUALIFICATIONS

2015 – 2019

- Institute of Psychology, University of Presov, Slovakia (PhD)
Doctoral dissertation: Consequences of poverty on economic decision-making: Assessing the verisimilitude of the cognitive mechanism (<https://osf.io/sk4yj/>)

2010 – 2015

- Institute of Psychology, University of Presov, Slovakia
Master's degree thesis: Intelligence as a Predictor of Complex Problem Solving

Additional courses and education

- 2023: Network analysis winter school (Psychosystems, University of Amsterdam)
- 2022: Structural equation modeling (Levente Littvay; European Social Survey)
- 2022: Causal inference from longitudinal data (JACOBS / CIFAR)
- 2019: Network analysis winter school (Psychosystems, University of Amsterdam)
- 2019: Beyond $p < .05$: Modern statistical approaches in psychological science (University of Padua)

- 2018: Introduction to behavioural economics (NHH, Bergen)
- 2018: Improving your statistical inference (Daniel Lakens; online course)
- 2016: Introduction to structural equation modeling (ACREA; Prague)

REVIEWER

- Nature Human Behaviour, Psychological Science Accelerator, PCI Registered Reports, Cyberpsychology, PLOS ONE, Frontiers in Psychiatry, Social Science Research, Journal of Nursing Management, Current Psychology, Psychological Reports, Studia Psychologica...

OTHER INTERNATIONAL COLLABORATIONS

- Psychological Science Accelerator
- SCORE (Center for Open Science & DARPA)
- Crowdsourcing/replication projects, for example, MAPS, Maths/Stats anxiety, Stereotype threat, The Pipeline Project 2; Psychology of Psychology, etc. (in collaborations with institutions such as University of Bristol, Center for Open Science, Tilburg University, Murray State University, University of Sussex, University of Waterloo, etc.)
- Societal Psychology Lab (London School of Economics and UCL)
- Participation on several forecasting/prediction markets
- Mind the Mind (EFPSA Social Impact) – coordinator for the Slovak Republic (2015)

AWARDS

- 3x Honours from the Rector (2015, 2015, 2018)
- Honours from the Dean (2017)
- 2nd best poster of the Social Processes & Personality Conference (2016)
- Honours from “Krajské Srdce na Dlani” (under the auspice of Prešov Self-governing Region) for volunteerism in field of primary prevention and working with youth (2015)
- Award from Institute of Psychology at the Slovak Academy of Sciences (2015)

RESEARCH STAYS AND VISITS

- 2021 and 2022: University of Jyväskylä (Finland)
- 2019: National Cancer Center Hospital (Tokyo, Japan)
- 2018: Ulster University (Belfast, Northern Ireland)

TEACHING AND SUPERVISION

- Seminars in cognitive psychology
- Advanced statistics and psychometrics
- Statistical practices
- Structural equation modeling (PhD course)
- Supervised
- Current PhD supervision – Benjamin Šimsa (Transparent Reporting Practices and Computational Reproducibility in Experience Sampling Method research in Psychology)

CONFERENCES

(international conferences with active participation only)

- Open Science Practices in Game Science Research – The Game-n-Science Institute & Yonsei University (South Korea, 2023)
- What Replicates, Anyway? Duplication in Psychological Research – SIPS 2023 (Italy, 2023)
- An Open Collaboration Call for Qualitative Duplication: Gaming Disorder in Underrepresented Countries – SIPS 2023 (Italy, 2023)
- Scoping Review of South Korean Esports Research and Comparison to the Stakeholder Perception – DIGRA 2023 (Spain, 2023)
- Gaming Disorder Around the World: Overview of the Current Situation in 19 countries (za Slovensko) – DIGRA 2023 (Spain, 2023)
- Cancer-related subjectively perceived cognitive impairment: A network analysis approach – JSMO (Japan, 2023)

MEMBERSHIPS

2020 – Present

- Slovak reproducibility network (co-founder; Lead of the Scientific team since 2022)

2018 – Present

- Psychological Science Accelerator

2020

- Association for Psychological Science
- Society for the Teaching of Psychology

2016 - 2018

- Vice-president of the Slovak Association of Psychology Students and Graduates

2014 – 2016

- Slovak Association of Psychology Students and Graduates

2014 - 2015

- Slovak Association of Conditioning Trainers

OTHER ACTIVITIES

- Public talks and workshops on open science practices, replicability crisis, and statistical/methodological practices (e.g., EASP, CVTI SR, SAIA, Žijem Vedu, Slovak Radio...)