



Tamás Nagy

Assistant Professor

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About me

Tamás Nagy is an assistant professor of psychology at ELTE Eötvös Loránd University, Budapest. He has been teaching advanced research methodology, data analysis and statistical inference, and R programming for psychology students. He leads the ELTE Stress and Emotions Lab, which uses experimental methods and psychophysiology to uncover how we perceive physiological arousal, and how it affects our emotions, cognition, and behavior.

Personal information

Nationality: Hungarian
Date of birth: 1st of July, 1981
Address: 1147, Budapest, Fűrészt utca 73B 1/4

Research interests

- Stress and emotion physiology
- Machine learning and computational science
- Improving psychological science

Workplaces

- 2017- Assistant professor ELTE Eötvös Loránd University, Institute of Psychology
Budapest, Hungary
- Main activities: Teaching (research methodology, data analysis, programming), research
 - Main achievements: Reforming the “Data analysis and statistical inference” course for Psychology undergraduates, Establishing the R programming training for graduate students, Creating a free on-line course for high school students called “The Science of Psychology”, Taking part in the training of international students, Overseeing the faculty’s talent management program, Winning and managing 2 research grants and 4 talent management grants, Running the Stress & Emotions Lab.
- 2014-2017 Lead researcher Synetiq Ltd.
Budapest, Hungary
- Main activities: Designing, managing, and analyzing neuromarketing research projects at a startup
 - Main achievements: Creating the research protocol involving psychophysiological methods and surveys. Leading successful research projects for large media and retail companies including HBO, AXN, RTL, BBC, The Dutch National TV, Lidl, Tesco, etc. Managed a research team to conduct media studies.
- 2012 – 2013 Research trainee The University of Amsterdam
Amsterdam, The Netherlands
- Main activities: Writing a manuscript on the effect of the acute stress response on alpha-amylase and cardiovascular indicators. PI: Dr. Jos Bosch
- 2008-2010 Research assistant Hungarian Academy of Sciences
Budapest, Hungary
- Main activities: Analyzing and planning of quantitative studies, preparing manuscripts in the Comparative Cross-cultural Psychology Lab
- 2006-2008 Counseling psychologist Budapest University of Technology and Economics
Budapest, Hungary
- Main activities: Psychological counseling for students, conducting psychological measurements

Education

- 2010-2015 Ph.D. in Psychology ELTE Eötvös Loránd University
Budapest, Hungary
- 2001-2006 M.A. in Psychology ELTE Eötvös Loránd University
Budapest, Hungary

University offices and memberships

- 2023- Member of the Institutional Research Ethics Committee.
- 2022- Head of the Stress & Emotions Research Group.
- 2019-2021 Acting head of the Social Interventions Research Group.
- 2019- Member of the Research Transparency Committee.
- 2018- Member of the ELTE Talent Management Council.
- 2018- Faculty head of the Scientific Student Circle of ELTE PPK.

Grants

2018, 2019, 2021, 2022 National Talent Program

- Amount: HUF 3.2/2.8/1.4/3.4M
- Description: Short (1 year) grants to fund the faculty talent management program

2019-2023

Postdoctoral grant

- Amount: HUF 25.5M
- Description: National Scientific Basic Research Programs - Research grant to study the role of emotional arousal in media-induced stress recovery

2018-2021

Young researcher grant

- Amount: HUF 28.5M
- Description: National Scientific Basic Research Programs - Research grant to study the effects of intelligence mindset and mindfulness meditation on performance

Awards and honors

2020

ELTE's Promising Researcher special award for open Science

- For outstanding achievements in the field of open science

2018

Erasmus+ research and training mobility

- Participation in a Bayesian statistics workshop in Amsterdam

2016

Special prize at the Brain and Vision hackathon

- For integrating EEG systems into mobile, PC, and web applications

2012-2013

Erasmus+ traineeship

- University of Amsterdam, Netherlands

2010-2014

Hungarian state scholarship

- To pursue doctoral studies at ELTE

Workshops held

2022

Regression Summer School 22

University of Vienna

- Regression summer course jointly held of the students of ELTE and University of Vienna, <https://osf.io/em5k4/>

2022

Vienna power analysis in R workshop

University of Vienna

- Workshop about simulation based power analysis in R, <https://osf.io/2tp3y/>

2022

Introduction to R and the tidyverse

University of Vienna

- Two day introduction to R, <https://osf.io/mx3vw/>

2022

Meta-analysis workshop

Semmelweis University

- Workshop about the theory and practice of meta-analysis (Hungarian), <https://osf.io/ug8cz/>

2021

Open science workshop

ELTE Eötvös Loránd University

- Workshop about open science practices (Hungarian), <https://osf.io/fz3pb/>

2020

Open science workshop

ELTE Eötvös Loránd University

- Workshop about open science practices (Hungarian), <https://osf.io/swntk/>

Teaching experience

- Data analysis and statistical inference
- Multivariate statistics
- Statistical programming and data analysis in R
- Advanced research methodology in clinical and health psychology
- Advanced data analysis methods in R

Languages

- English (professional level)
- Hungarian (native language)
- German (limited professional level)

- Japanese (basic level)

Journal positions and activity

- Associate editor at Hungarian Psychology Review (Magyar Pszichológiai Szemle)
- Peer-review activity: <https://www.webofscience.com/wos/author/record/J-5969-2019>

Preprints and manuscripts under review

Publications

1. Terry, J., Ross, R. M., Nagy, T., Salgado, M., Garrido-Vásquez, P., Sarfo, J. O., Cooper, S., Buttner, A. C., Lima, T. J. S., Öztürk, İ., Akay, N., Santos, F. H., Artemenko, C., Copping, L. T., Elsherif, M. M., Milovanović, I., Cribbie, R. A., Drushlyak, M. G., Swainston, K., ... Field, A. P. (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*, 11(1), 8. <https://doi.org/10.5334/jopd.80>
2. Nagy, T., Sik, K., Török, L., Beáta Bóthe, Takacs, Z. K., & Orosz, G. (2023). Brief growth mindset and mindfulness inductions to facilitate task persistence after negative feedback. *Collabra. Psychology*, 9(1). <https://doi.org/10.1525/collabra.74253>
3. Hoogeveen, S., Sarafoglou, A., Aczel, B., Aditya, Y., Alayan, A. J., Allen, P. J., Altay, S., Alzahawi, S., Amir, Y., Anthony, F.-V., Kwame Appiah, O., Atkinson, Q. D., Baimel, A., Balkaya-Ince, M., Balsamo, M., Banker, S., Bartoš, F., Becerra, M., Beffara, B., ... Wagenmakers, E.-J. (2022). A many-analysts approach to the relation between religiosity and well-being. *Religion, Brain & Behavior*, 1–47. <https://doi.org/10.1080/2153599X.2022.2070255>
4. Salamon, J., Blume, B. D., Tóth-Király, I., Nagy, T., & Orosz, G. (2022). The positive gain spiral of job resources, work engagement, opportunity and motivation on training transfer. *International Journal of Training and Development*, 26(3), 556–580. <https://doi.org/10.1111/ijtd.12277>
5. Bago, B., Kovacs, M., Protzko, J., Nagy, T., Kekecs, Z., Palfi, B., Adamkovic, M., Adamus, S., Albalooshi, S., Albayrak-Aydemir, N., Alfian, I. N., Alper, S., Alvarez-Solas, S., Alves, S. G., Amaya, S., Andresen, P. K., Anjum, G., Ansari, D., Arriaga, P., ... 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*, 6(6), 880–895. <https://doi.org/10.1038/s41562-022-01319-5>
6. Maraz, A., Nagy, T., & Ziegler, M. (2022). Negativity in delayed affective recall is related to the borderline personality trait. *Scientific Reports*, 12(1), 3505. <https://doi.org/10.1038/s41598-022-07358-2>
7. Coles, N. A., March, D. S., Marmolejo-Ramos, F., Larsen, J. T., Arinze, N. C., Ndukaihe, I. L. G., Willis, M. L., Foroni, F., Reggev, N., Mokady, A., Forscher, P. S., Hunter, J. F., Kaminski, G., Yüvrük, E., Kapucu, A., Nagy, T., Hajdu, N., Tejada, J., Freitag, R. M. K., ... Liuzza, M. T. (2022). A multi-lab test of the facial feedback hypothesis by the many smiles collaboration. *Nature Human Behaviour*, 6(12), 1731–1742. <https://doi.org/10.1038/s41562-022-01458-9>
8. Salamon, J., Blume, B. D., Orosz, G., & Nagy, T. (2022). The moderating effect of coworkers' training participation on the influence of peer support in the transfer process. *European Journal of Training and Development*, 47(10), 15–36. <https://doi.org/10.1108/EJTD-07-2021-0102>
9. Salamon, J., Tóth-Király, I., Bóthe, B., Nagy, T., & Orosz, G. (2021). Having the cake and eating it too: First-Order, Second-Order and bifactor representations of work engagement. *Frontiers in Psychology*, 12, 615581. <https://doi.org/10.3389/fpsyg.2021.615581>
10. Maraz, A., Nagy, T., & Ziegler, M. (2021). When bad gets worse: Negative wording amplifies negative recall in persons with the borderline personality trait. *Applied Cognitive Psychology*, 35(1), 274–285. <https://doi.org/10.1002/acp.3764>

11. Salamon, J., Blume, B. D., Orosz, G., & Nagy, T. (2021). The interplay between the level of voluntary participation and supervisor support on trainee motivation and transfer. *Human Resource Development Quarterly*, 32(4), 459–481. <https://doi.org/10.1002/hrdq.21428>
12. Simor, P., Polner, B., Báthori, N., Sifuentes-Ortega, R., Van Roy, A., Albajara Sáenz, A., Luque González, A., Benkirane, O., Nagy, T., & Peigneux, P. (2021). Home confinement during the COVID-19: Day-to-day associations of sleep quality with rumination, psychotic-like experiences, and somatic symptoms. *Sleep*, 44(7). <https://doi.org/10.1093/sleep/zsab029>
13. Zavecz, Z., Nagy, T., Galkó, A., Nemeth, D., & Janacsek, K. (2020). The relationship between subjective sleep quality and cognitive performance in healthy young adults: Evidence from three empirical studies. *Scientific Reports*, 10(1), 4855. <https://doi.org/10.1038/s41598-020-61627-6>
14. Simor, P., Steinbach, E., Nagy, T., Gilson, M., Farthouat, J., Schmitz, R., Gombos, F., Ujma, P. P., Pamula, M., Bódizs, R., & Peigneux, P. (2018). Lateralized rhythmic acoustic stimulation during daytime NREM sleep enhances slow waves. *Sleep*, 41(12). <https://doi.org/10.1093/sleep/zsy176>
15. Nagy, T. (2016). *Psychophysiological responses to distress and eustress* (M. Fülöp & G. Bárdos, Eds.) [PhD thesis, ELTE Eötvös Loránd University]. <https://doi.org/10.13140/RG.2.1.5154.3207>
16. Nagy, T., Salavecz, G., Simor, P., Purebl, G., Bódizs, R., Dockray, S., & Steptoe, A. (2015). Frequent nightmares are associated with blunted cortisol awakening response in women. *Physiology & Behavior*, 147, 233–237. <https://doi.org/10.1016/j.physbeh.2015.05.001>
17. Nagy, T., Lien, R. van, Willemsen, G., Proctor, G., Efting, M., Fülöp, M., Bárdos, G., Veerman, E. C. I., & Bosch, J. A. (2015). A fluid response: Alpha-amylase reactions to acute laboratory stress are related to sample timing and saliva flow rate. *Biological Psychology*, 109, 111–119. <https://doi.org/10.1016/j.biopsycho.2015.04.012>
18. Bálint, K., Nagy, T., & Csabai, M. (2014). The effect of patient-centeredness and gender of professional role models on trainees' mentalization responses. Implications for film-aided education. *Patient Education and Counseling*, 97(1), 52–58. <https://doi.org/10.1016/j.pec.2014.06.005>
19. Kekecs, Z., Nagy, T., & Varga, K. (2014). The effectiveness of suggestive techniques in reducing postoperative side effects: A meta-analysis of randomized controlled trials. *Anesthesia and Analgesia*, 119(6), 1407–1419. <https://doi.org/10.1213/ANE.0000000000000466>