Matti Vuorre
» Curriculum vitae

Oxford Internet Institute
University of Oxford
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CV 2022-03-17 [latest]

I am a psychological scientist at the Oxford Internet Institute, where I study how digital environments relate to psychological well-being and cognition using experimental, data science, and statistical methods.

Academic Positions

2020 - now *Postdoctoral Researcher*, Oxford Internet Institute, University of Oxford
2018 - 2020 *Postdoctoral Research Scientist*, Department of Psychology, Columbia University

Education

2018 PhD, Columbia University, USA
2015 M.A, Columbia University, USA
2013 BSc (Hons), Victoria University of Wellington, New Zealand

Grants, Honors & Awards

2021 John Fell Fund award (University of Oxford)
2016 Leo Rubinstein Endowed Fellowship (Columbia University)
Graduate Student Travel Award (Psychonomic Society)
2015 Leo Rubinstein Endowed Fellowship (Columbia University)
Edward E. Smith Memorial Award in Cognitive Neuroscience (Columbia University)
Best Student Poster Award (Association for the Scientific Study of Consciousness)
2013 Dean's Fellowship (Columbia University)
2012 Postgraduate Research Scholarship (Victoria University of Wellington)
School of Psychology Graduate Prize (Victoria University of Wellington)
Victoria University Graduate Award (Victoria University of Wellington)

Publications & Academic Contributions

For the most up-to-date info, see Zotero or Google Scholar.

Works in progress

Johannes, N., Masur, P. K., Vuorre, M., & Przybylski, A. K. (2021). How should we investigate variation in the relation between social media and well-being? *PsyArXiv*. https://doi.org/10.31234/osf.io/xahbg

Johannes, N., Vuorre, M., Magnusson, K., & Przybylski, A. K. (2022). Time spent playing two online shooters has no measurable effect on aggressive affect. *PsyArXiv*. https://doi.org/10.31234/osf.io/gt8ze

Syed Sheriff, R., Vuorre, M., Riga, E., Przybylski, A., Adams, H., Harmer, C. J., & Geddes, J. (2021). An Online Cultural Experience for Mental Health in People Aged 16-24 Compared to a Typical Museum Website: A Randomised Controlled Trial. *SSRN*. https://doi.org/10.2139/ssrn.3934229

Vuorre, M., Johannes, N., Magnusson, K., & Przybylski, A. K. (2021). Time spent playing video games is unlikely to impact well-being. *PsyArXiv*. https://doi.org/10.31234/osf.io/8cxyh

Journal articles

2021 Vuorre, M., Orben, A., & Przybylski, A. K. (2021). There Is No Evidence That Associations Between Adolescents' Digital Technology Engagement and Mental Health Problems Have Increased. *Clinical Psychological Science*, 2167702621994549. https://doi.org/10.1177/2167702621994549

Vuorre, M., Zendle, D., Petrovskaya, E., Ballou, N., & Przybylski, A. K. (2021). A Large-Scale Study of Changes to the Quantity, Quality, and Distribution of Video Game Play During a Global Health Pandemic. *Technology, Mind, and Behavior*. https://doi.org/10.1037/tmb0000048

Metcalfe, J., Kennedy-Pyers, T., & Vuorre, M. (2021). Curiosity and the desire for agency: Wait, wait … don't tell me! *Cognitive Research: Principles and Implications*. https://doi.org/10.1186/s41235-021-00330-0

Johannes, N.⁎, Vuorre, M.⁎, & Przybylski, A. K.⁎ (2021). Video game play is positively correlated with well-being. *Royal Society Open Science*, 8(2), 202049. https://doi.org/10.1098/rsos.202049

⁎Equal contribution.

Vuorre, M., & Metcalfe, J. (2021). Measures of relative metacognitive accuracy are confounded with task performance in tasks that permit guessing. *Metacognition and Learning*. https://doi.org/10.1007/s11409-020-09257-1

2020 Vuorre, M.*, & Crump, M. J. C.* (2020). Sharing and organizing research products as R packages. *Behavior Research Methods*. https://doi.org/10.3758/s13428-020-01436-x

2019 Metcalfe, J., Brezler, J. C., McNamara, J., Maletta, G., & Vuorre, M. (2019). Memory, stress, and the hippocampal hypothesis: Firefighters' recollections of the fireground. *Hippocampus*. https://doi.org/10.1002/hipo.23128

Bürkner, P.-C., & Vuorre, M. (2019). Ordinal regression models in psychology: A tutorial. *Advances in Methods and Practices in Psychological Science*. https://doi.org/10.1177/2515245918823199

2018 Bloom, P. A., Friedman, D., Xu, J., Vuorre, M., & Metcalfe, J. (2018). Tip-of-the-tongue states predict enhanced feedback processing and subsequent memory. *Consciousness and Cognition*. https://doi.org/10.1016/j.concog.2018.05.010

Vuorre, M., & Curley, J. P. (2018). Curating research assets: A tutorial on the Git version control system. *Advances in Methods and Practices in Psychological Science*. https://doi.org/10.1177/2515245918754826

Heino, M. T. J.*, Vuorre, M.*, & Hankonen, N. (2018). Bayesian evaluation of behavior change interventions: A brief introduction and a practical example. *Health Psychology and Behavioral Medicine: an Open Access Journal*. https://doi.org/10.1080/21642850.2018.1428102

Chapman, S., Colvin, L. E., Vuorre, M., Cocchini, G., Metcalfe, J., Huey, E. D., & Cosentino, S. (2018). Cross domain self-monitoring in anosognosia for memory loss in Alzheimer's disease. *Cortex*. https://doi.org/10.1016/j.cortex.2018.01.019

2017 Vuorre, M. & Bolger, N. (2017). Within-subject mediation analysis for experimental data in cognitive psychology and neuroscience. *Behavior Research Methods*. https://doi.org/10.3758/s13428-017-0980-9

Sidarus, N., Vuorre, M., & Haggard, P. (2017). Integrating prospective and retrospective cues to the sense of agency: a multi-study investigation. *Neuroscience of Consciousness*. https://doi.org/10.1093/nc/nix012

Vuorre, M. & Metcalfe, J. (2017). Voluntary action alters the perception of visual illusions. *Attention, Perception, & Psychophysics*. https://doi.org/10.3758/s13414-017-1321-x

Vuorre, M. (2017). On time, causation, and the sense of agency. *Journal of Consciousness Studies*. http://www.ingentaconnect.com/contentone/imp/jcs/2017/00000024/F0020003/

art00011

Sidarus, N., Vuorre, M., Metcalfe, J., & Haggard, P. (2017). Investigating the prospective sense of agency: Effects of processing fluency, stimulus ambiguity, and response conflict. *Frontiers in Psychology*. https://doi.org/10.3389/fpsyg.2017.00545

Sidarus, N., Vuorre, M., & Haggard, P. (2017). How action selection influences the sense of agency: An ERP study. *NeuroImage*. https://doi.org/10.1016/j.neuroimage.2017.02.015

2016 Vuorre, M. & Metcalfe, J. (2016). The relation between the sense of agency and the experience of flow. *Consciousness and Cognition*. https://doi.org/10.1016/j.concog.2016.06.001

2013 Michael, R. B., Newman, E. J., Vuorre, M., Cumming, G., & Garry, M. (2013). On the (non)persuasive power of a brain image. *Psychonomic Bulletin & Review*. https://doi.org/10.3758/s13423-013-0391-6

PhD thesis

2018 Vuorre, M. (2018). Using visual illusions to examine action-related perceptual changes. https://academiccommons.columbia.edu/catalog/ac:73n5tb2rdf

Scientific software

2017 Vuorre, M. (2017). bmlm: Bayesian Multilevel Mediation. R package version 1.3.4. https://cran.r-project.org/package=bmlm

Talks

2018 Vuorre, M. (2018, February). Within-subject mediation analysis for experimental data in cognitive psychology and neuroscience. Talk presented at Columbia University.

2017 Vuorre, M., Sidarus, N., & Metcalfe, J. (2017, September). A meta-analytic review of agency cues. Talk presented at the *European Society for Cognitive Psychology* meeting, Potsdam, Germany.

2016 Vuorre, M. (2016, April). The pragmatist's guide to studying free will. Talk presented at the *Science of Consciousness* meeting, Tucson, Arizona.

Vuorre, M. (2016, April). Voluntary actions cause a temporal rate-shift in visual awareness: Evidence from visual illusions. Talk presented at the *Science of Consciousness* meeting, Tucson, Arizona.

2015 Vuorre, M. & Metcalfe, J. (2015, June). Voluntary action and time perception. Talk presented at the *Toward a Science of Consciousness* meeting, Helsinki, Finland.

Other articles

2016 Vuorre, M. (December 5, 2016). Introduction to data analysis using R. *JEPS Bulletin*. http://blog.efpsa.org/2016/12/05/introduction-to-data-analysis-using-r/

2014 Vuorre, M. (April 29, 2014). What your name says about how believable you are. *Scientific American*. https://www.scientificamerican.com/article/what-your-name-says-about-how-believable-you-are/

Teaching

Courses

2021-2022 Experiments for Social Data Science (University of Oxford)

Workshops

2020 Bayesian regression modelling with brms (University of Zürich; https://mvuorre.github.io/brms-workshop/)

2019 Bayesian modelling with the Stan probabilistic programming language (Columbia University; https://github.com/mvuorre/ulam)

2018 Hierarchical modelling of change over time (University of Aberdeen)

2017 Within-subject mediation analysis for experimental data in cognitive psychology and neuroscience (Rutgers University; https://github.com/mvuorre/2017-rutgers-mediation)

Teaching Assistantships

2018 Statistics for Behavioral Scientists (Columbia University)

2017 Introduction to Statistical Modeling in Psychology (Columbia University)

2016 Analysis of Change (Columbia University)

The Science of Psychology (Columbia University)

2015 Experimental Psychology: Human Behavior (Columbia University)

2014 The Science of Psychology (Columbia University)

2013 Visual Perception (Victoria University of Wellington)

Introduction to Psychology (Victoria University of Wellington)

2011 Introduction to Psychology (Victoria University of Wellington)

Service to the profession

Peer review service

Advances in Methods and Practices in Psychological Science

Acta Psychologica
Attention, Perception, & Psychophysics
International Journal of Psychology
Journal of Adolescence
Journal of Consciousness Studies
Journal of the Experimental Analysis of Behavior
Psychology of Consciousness
Royal Society Open Science

Languages

Natural languages	**Programming languages**
Finnish (native)	R
English (fluent)	Python
Swedish (basic)	Stan
	HTML & CSS & JavaScript