

Curriculum Vitae

Personalia	Full name: Riet van Bork Date of Birth: 09/11/1990 Place of Birth: Amsterdam, Netherlands Email address: r.vanbork@uva.nl http://www.rietvanbork.nl	
Academic appointments	Assistant Professor Psychological Methods University of Amsterdam	August 2022 - current
	Post-doctoral researcher Psychological Methods University of Amsterdam Post-doc in the Theory Methods Lab: http://www.theorymethodslab.com	September 2021 - July 2022
	Post-doctoral fellow Center for Philosophy of Science, Pittsburgh	January 2021 - August 2021
	Assistant Professor Psychological Methods University of Amsterdam	November 2018 - December 2020
	Visiting Scholar Two visits (6 months and 2 months) to work with Dr. Mijke Rhemtulla Quantitative Psychology Department at the University of California, Davis	2017, 2018
Education	PhD student at the University of Amsterdam (cum laude) Department of Psychological Methods Supervisors: Prof. Dr. Denny Borsboom and Dr. Mijke Rhemtulla Title dissertation: Interpreting psychometric models Digital copy of dissertation: http://thesiscommons.org/x6a7s/	2014 - 2018
	Master of Science, Psychological Methods (cum laude, GPA : 8.83) University of Amsterdam, graduated in 2014	2013 - 2014
	Bachelor of Science, Psychology (cum laude) University of Amsterdam, graduated in 2013 Concentration: Psychological Methods and Social Psychology Minor: Philosophy of Language, Logic and Philosophy of Science (cum laude, 30 EC)	2009 - 2013
Teaching and Supervision	University Teaching Qualification Dutch: Basiskwalificatie Onderwijs (BKO)	2021
	<i>Fundamentals of Psychology</i> Second-year bachelor's course in Psychology (300 - 550 students)	2019, 2020, 2021

	Lecturer and coordinator of the course	
	<i>Fundamentals of Methodology</i>	2015, 2016, 2017, 2018, 2019
	Third-year bachelor's course in Psychology (20-40 students)	
	Lecturer and coordinator of the course	
	<i>Master Pieces of Methodological Literature</i>	2016
	Third-year bachelor's course in Psychology (8 students)	
	Co-designed, taught and coordinated with Lisa D. Wijsen	
	Supervision	2015 - 2022
	12 bachelor's theses, 2 Research Master's theses, and 4 internship theses	
	Guest lecture on Formative Models	2015
	<i>Structural Equation Modeling</i>	
	Master's course in the Research Master Psychology	
	Teaching Assistant	2015
	<i>Structural Equation Modeling</i>	
	Master's course in the Research Master Psychology	
	Teaching Assistant	2014
	<i>Multivariate Analyses</i>	
	Master's course in the Research Master Psychology	
Committee work	Member of committee that reformed education of the 2nd year of the Bachelor Psychology at the University of Amsterdam	2020
	Member of the Research Master selection committee at the University of Amsterdam	2020
Other	Methodology Shop	2013 - 2014
	University of Amsterdam	
	Providing free statistical and methodological advice to students for their research projects (two hours a week).	
	Research Assistant	2012 - 2014
	supervised by H.C.M. Vorst, University of Amsterdam	
	Developing norms for the SchoolVragenLijst (SVL) and SAQI (tests to measure the attitude towards school for children at primary and secondary school).	
Honors, Awards & Fellowships	Visiting Fellowship	January 2022
	Invited to be a Visiting Fellow at the Center for Philosophy of Science, University of Pittsburgh, for the fall term of the academic year 2022-23.	
	Postdoctoral Fellowship	January 2020
	Invited to be a Postdoctoral Fellow at the Center for Philosophy of Science, University of Pittsburgh, for the academic year 2020-21.	
	Participant; Summer Seminar in Philosophy of Statistics	July/August 2019
	Funded 15-day seminar with 15 selected participants	

Virginia Tech University
Organized by Prof. Deborah Mayo and Prof. Aris Spanos

Ph.D. degree awarded with the honor cum laude.

June 2019

Individual travel grant from the Amsterdam University Fund (€600)

2016

Used to visit the quantitative psychology department of the University of California, Davis.

Master thesis prize of Psychology (€250)

January 2015

Title: On the identity of variables: An intensional approach in understanding the latent variable model.

Academic output

Haslbeck, J., & **van Bork, R.** (accepted). Estimating the number of factors in exploratory factor analysis via out-of-sample prediction errors. Accepted for publication in *Psychological Methods*.

preprint: <https://psyarxiv.com/qktsd>

van Bork, R., Rhemtulla, M., Sijsma, K., & Borsboom, D. (2022). A causal theory of error scores. *Psychological Methods*. Advance online publication.
doi: 10.1037/met0000521 [\[link\]](#)

van Borkulo, C. D., **van Bork, R.**, Boschloo, L., Kossakowski, J. L., Tio, P., Schoevers, R. A., Borsboom, D., & Waldorp, L. J. (2022). Comparing network structures on three aspects: A permutation test. *Psychological Methods*. Advance online publication.
doi: 10.1037/met0000476 [\[link\]](#)

Borsboom, D., Deserno, M. K., Rhemtulla, M., Epskamp, S., Fried, E. I., McNally, R. J., Donald J. Robinaugh, D.J., Perugini, M., Dalege, J., Costantini, G., Isvoranu, A., Wysocki, A. C., van Borkulo, C. D., **van Bork, R.** & Waldorp, L. J. (2021). Network analysis of multivariate data in psychological science. *Nature Reviews Methods Primers*, 1(1), 1-18. doi: 10.1038/s43586-021-00055-w [\[link\]](#)

Deserno, M. K., Borsboom, D., Begeer, S., **van Bork, R.**, & Geurts, H. (2020). Highways to happiness for ASD adults? Perceived causal relations among clinicians. *PLoS ONE*, 15(12): e0243298. doi: 10.1371/journal.pone.0243298 [\[link\]](#)

van Bork, R., Rhemtulla, M., Waldorp, L., Kruis, J., Rezvanifar, S., & Borsboom, D. (2019). Latent variable models and networks: Statistical equivalence and testability. *Multivariate Behavioral Research*, doi: 10.1080/00273171.2019.1672515 [\[link\]](#)

Rhemtulla, M., **van Bork, R.**, & Borsboom, D. (2019). Worse than measurement error: Consequences of inappropriate latent variable measurement models. *Psychological Methods*, 25(1), 30 – 45. doi: 10.1037/met0000220 [\[link\]](#)

Bernstein, E. E., Kleiman, E. M., **van Bork, R.**, Moriarity, D. P., Giollabhui, N. M., McNally, R. J., Abramson, L. Y., & Alloy, L. B. (2019). Unique and predictive relationships between components of cognitive vulnerability and symptoms of depression. *Depression and Anxiety*, 36, 950 – 959. doi: 10.1002/da.22935 [\[link\]](#)

van Bork, R., Grasman, R. P. P. P., & Waldorp, L. J. (2018). Unidimensional factor models imply weaker partial correlations than zero-order correlations. *Psychometrika*, 83, 443–452. doi: 10.1007/s11336-018-9607-z [\[link\]](#)

van Bork, R., Epskamp, S., Rhemtulla, M., Borsboom, D., & van der Maas, H. L. J. (2017). What is the p -factor of psychopathology? Some risks of general factor modeling. *Theory & Psychology, 27*, 759 – 773. doi: 10.1177/0959354317737185 [\[link\]](#)

van Bork, R., Wijsen, L. D. (shared main authorship), & Rhemtulla, M. (2017). Toward a causal interpretation of the common factor model. *Disputatio, 9*, 581 – 601. doi:10.1515/disp-2017-0019 [\[link\]](#)

Marsman, M., Borsboom, D., Kruis, J., Epskamp, S., **van Bork, R.**, Waldorp, L. J., ... & Maris, G. (2017). An introduction to network psychometrics: Relating Ising network models to item response theory models. *Multivariate Behavioral Research, 52*, 100–120. doi: 10.1080/00273171.2017.1379379 [\[link\]](#)

Rhemtulla, M., Borsboom, D., & **van Bork, R.** (2017). How to Measure Nothing. *Measurement: Interdisciplinary Research and Perspectives, 15*, 95 – 97. doi: [\[link\]](#)

van Bork, R., Rhemtulla, M., & Borsboom, D. (2016). Composites can be causal too. *European Journal of Personality, 30*, 307 – 308. doi: 10.1002/per.2060 [\[link\]](#)

Rhemtulla, M., **van Bork, R.**, & Borsboom, D. (2015). Calling models with causal indicators measurement models implies more than they can deliver. *Measurement, 13*, 59 – 62. doi: 10.1080/15366367.2015.1016343 [\[link\]](#)

Open Science Collaboration (2015). Estimating the reproducibility of Psychological science. *Science, 349* (6251). doi: 10.1126/science.aac4716 [\[link\]](#)

Langley, D. J., Wijn, R., Epskamp, S., & **van Bork, R.** (2015). Should I get that jab? Exploring influence to encourage vaccination via online social media. *ECIS 2015 Research-in-Progress Papers*, Paper 64. [\[link\]](#)

Preprints:

van Dongen, N., **van Bork, R.**, Finnemann, A., Haslbeck, J., van der Maas, H. L. J., Robinaugh, D., de Ron, J. & Borsboom, D. (preprint). Improving psychological explanations. doi: 10.31234/osf.io/qd69g
preprint: <https://psyarxiv.com/qd69g/>

van Bork, R., Marsman, M., Rhemtulla, M., Epskamp, S., Kruis, J., & Borsboom, D. (preprint). Common effect models: Positive or negative manifold? doi: 10.31234/osf.io/xs4cy
preprint: <https://psyarxiv.com/xs4cy>

Rhemtulla, M., **van Bork, R.**, Cramer, A. O. J. (preprint). Cross-lagged network models.
preprint: <https://osf.io/r24q6/>

Contributions to books:

Dablander, F. & **van Bork, R.** (2022) Causal inference. In A. Isvoranu, S. Epskamp, L. Waldorp & D. Borsboom (Eds.) *Network psychometrics with R: A guide for behavioral and social scientists*. New York, NY: Routledge.

van Bork, R., & Cramer, A. O. J. (2017). Sample size. *SAGE Encyclopedia of Abnormal and Clinical Psychology*.

van Bork, R., & Cramer, A. O. J. (2017). Sample selection. SAGE Encyclopedia of Abnormal and Clinical Psychology.

Cramer, A. O. J., & **van Bork, R.** (2017). Internal validity. SAGE Encyclopedia of Abnormal and Clinical Psychology.

van Bork, R., van Borkulo, C. D. (shared main authorship), Waldorp, L. J., Cramer, A. O. J., & Borsboom, D. (2018). Network models for clinical psychology. In John T. Wixted (Ed.) *The Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience* (Fourth Ed). Hoboken, NJ: John Wiley & Sons.

Conference presentations:

van Bork, R., Romeijn, J. W. (2022, upcoming) *Practical Philosophy for Psychology*. Accepted for presentation at the 28th Biennial Meeting of the Philosophy of Science Association (PSA), Pittsburgh, November 2022.

Leading an 'unconference' session together with Jeroen Mulder and Noémi Schuurman, titled *Causality & between-person effects*. Accepted for the Society for Improvement of Psychological Science (SIPS) Meeting, June 2022.

van Bork, R., Romeijn, J. W. (2021) *Psychometric models: Statistics and interpretation*. Presentation for the 27th Biennial Meeting of the Philosophy of Science Association (PSA), Baltimore, November 2021.

van Bork, R., Rhemtulla, M., Sijtsma, K., & Borsboom, D. (2019) *Turning models upside down: A causal theory of error scores*. Presentation for the 84th Annual Meeting of the Psychometric Society (IMPS), Santiago (Chile), July 2019.

van Bork, R. (2019) *Networks and latent variables: Two frameworks for understanding psychopathology*. Presentation for the 50th Annual Meeting of the Society of Psychotherapy Research (SPR), Buenos Aires, July 2019.

van Bork, R., Rhemtulla, M., & Borsboom, D. (2015) *Simplicity of networks and factor models*. Presentation for the 30th Annual Convention of the Association for Psychological Science (APS), San Francisco, May 2018.

van Bork, R., Rhemtulla, M., & Borsboom, D. (2015) *Model simplicity of networks and latent variable models*. Presentation for the 82th Annual Meeting of the Psychometric Society (IMPS), Zurich, July 2017.

van Bork, R., Rhemtulla, M., Waldorp, L. J., & Borsboom, D. (2016) *Distinguishing latent variable models and network models*. Presentation for the 28th Annual Convention of the Association for Psychological Science (APS), Chicago, May 2016.

van Bork, R., Rhemtulla, M., & Borsboom, D. (2015) *Latent variable and network model implications for partial correlation structures*. Presentation for the 80th Annual Meeting of the Psychometric Society (IMPS), Beijing, July 2015.

Invited Talks:

Talk in an invited session organized by Derek Briggs, at National Council on Measurement in Education (NCME) Session title: "Lessons about the modeling and

measurement of human abilities”, May 2021.

Talk at joint quantitative brownbag of The Ohio State University, University of Maryland, University of North Carolina at Chapel Hill, and Notre Dame University, April 2021.

Talk for the Department of Psychology’s Community for Advanced Methodological Learning (CAMEl), at Carnegie Mellon, Pittsburgh, April 2021.

Talk at the Center of Philosophy of Science, Pittsburgh, March 2021.

Talk at Donders Discussions, Nijmegen, October 2018.

Talk at ISOQOL-NL (International Society for Quality of Life Research, Netherlands), Amsterdam, September 2017.

Talk at APES - Philosophy of Science Seminar, Amsterdam, September 2016.

Organized Symposia:

Co-organizer together with Noah van Dongen of the symposium ‘*Theory Construction Methodology in Psychology.*’ Symposium is accepted for the 28th Biennial Meeting of the Philosophy of Science Association (PSA), Pittsburgh, November 2022.

Co-organizer together with Elay Schech of the symposium ‘*Current debates on statistical modeling and inference.*’ Symposium at the 27th Biennial Meeting of the Philosophy of Science Association (PSA), Baltimore, November 2021.

Chair and organizer of the symposium ‘*Theory and assumptions underlying psychometric practice.*’ Symposium at the 84th Annual Meeting of the Psychometric Society (IMPS), Santiago (Chile), July 2019.

Organizer of the symposium ‘*New developments in network psychometrics.*’ Symposium at the 80th Annual Meeting of the Psychometric Society (IMPS), Beijing, July 2015.

Workshops:

Workshop on ‘Causality in Network Models’, as part of:

- the Psychological Networks Amsterdam Summer School 2017
- the Psychological Networks Amsterdam Winter School 2017
- the Psychological Networks Amsterdam Summer School 2018

Reviewing:

Journals: *Behavior Research Methods, British Journal for Social Psychology, Clinical Psychological Science, Developmental Psychology, Frontiers of Psychiatry, Intelligence, Journal of Clinical Psychology, Multivariate Behavioral Research, Measurement, Methods in Psychology, PeerJ, Psychological Medicine, Psychological Methods, Sociological Methods and Research, Synthese, Theory & Psychology*