
DENNY BORSBOOM
CURRICULUM VITAE

1. PERSONAL INFORMATION & WORK EXPERIENCE

PERSONAL INFORMATION:

Name: Denny Borsboom
Born: November 9, 1973
Work Address: Psychological Methods
Department of Psychology
Faculty of Social and Behavioral Sciences
University of Amsterdam
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CURRENT POSITION:

2013-present *Professor* (1.0 fte, tenured term) at the Department of Psychology of the University of Amsterdam.
Summary of activities. Most of my research is devoted to the *Psychosystems project* (<http://www.psychosystems.org>), which develops methodologies for psychological research using complex systems theory and network models. Recently this line has been expanded with the development of [theory construction methodology](#). I have taught courses on methodological, psychometric, and philosophical topics, ranging from undergraduate (Foundations of Psychology) to postdoctoral courses (What is Psychometrics?). I have been involved in developing the psychology curriculum at various levels, from Bachelor to postdoctoral programmes, and have overseen the restructuring of year two of our curriculum. Between 2018 and 2021, I was Programme Leader of the [Psychological Methods Group](#) at the Department of Psychology at the University of Amsterdam. Since 2021, I am Director of the [Social and Behavioural Data Science Centre](#). Service to the field has included membership of the Psychometric Society Board of Trustees and Editorial Council; Expert Panel membership for the Flemish Organization for Scientific Research (FWO); and Board membership for the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).

EDUCATION:

- 1998-2003 University of Amsterdam
Ph.D. in Psychology
Dissertation project: 'Conceptual issues in psychological measurement'. *Supervisors:* Prof. dr. G. J. Mellenbergh and Prof. dr. J. van Heerden
Honors: Cum laude
- 1992-1998 M.A. in Psychology
Specialization: Psychological Methods
Honors: Cum laude

PAST POSITIONS & TEACHING EXPERIENCE:

- 2008-2013 University of Amsterdam
Associate Professor. Courses: Research Methods, Network Analysis.
- 2003-2008 *Assistant Professor.* Courses: Research Methods, Philosophy of Science, Philosophy of Psychology.
- 2000-2001 *Lecturer.* Course: Statistics.
- 2000-2002 *Teaching Assistant.* Produced educational material in an attempt to introduce psychology into the Dutch high school program.
- 1999-2000 *Lecturer.* Course: Statistics.
- 1996-1998 *Teaching Assistant.* First-year student practicals (“practicumgroepbegeleider”).

PH.D. SUPERVISION:

- 2020-present *A formal theory of fear.* Ph. D. student: Jill de Ron (joint supervision with Dr. Donald Robinaugh)
- 2020-present *Complex systems approaches to theory formation, statistical modeling, and psychometrics.* Ph. D. student: Adam Finneman (joint supervision with Prof. dr. Han van der Maas and Dr. Sacha Epskamp).
- 2019-present *Within, between, and beyond.* Ph. D. student: Ria Hoekstra (joint supervision with Dr. Sacha Epskamp).
- 2017-present *Resilience: A complexity perspective.* Ph. D. student: Gaby Lunansky (joint supervision with Dr. Claudia van Borkulo).
- 2016-2021 *A network approach to psychosis.* Ph. D. student: Adela Isvoranu (joint supervision with Prof. dr. Jim van Os).
- 2016-2020 *From heterogeneous insomnia to homogeneous subtypes.* Ph. D. student: Tessa Blanken (primary supervisor: Prof. dr. Eus van Someren).
- 2015-2021 *The history of psychometrics.* Ph. D. student: Lisa Wijzen (joint supervision with Dr. Willem Heiser).
- 2015-2020 *Extensions of network models for time series.* Ph. D. student: Jonas Haslbeck (Primary supervisor: Dr. Lourens Waldorp).
- 2014-2020 *Network models for attitudes.* Ph. D. student: Jonas Dalege (joint

	supervision with Dr. Han van der Maas and Dr. Frenk van Harreveld).
2014-2019	<i>Application of model selection principles to distinguish network and latent variable models of psychological constructs</i> . Ph. D. student: Riet van Bork (joint supervision with Dr. Mijke Rhemtulla)
2012-2017	<i>A network approach to mood disorders</i> . Ph.D. student: Claudia van Borkulo, Groningen University (primary supervisor dr. R. A. Schoevers).
2012-2016	<i>Network psychometrics</i> . Ph.D. Student: Sacha Epskamp
2011-2016	<i>Stochastic networks for affective processes</i> . Ph.D. Student: Laura Bringmann, K.U. Leuven (primary supervisor: dr. F. Tuerlinckx).
2008-2014	<i>Statistical models for reductive theories</i> . Ph.D. Student: Rogier Kievit, University of Amsterdam. (<i>Cum laude</i>).
2008-2014	<i>Genetics and psychometrics: Exploring the phenotypic structure of psychological constructs</i> . Ph.D. Student: Sanja Franic, Free University of Amsterdam (primary supervision: dr. D.I. Boomsma).
2008-2013	<i>The conceptual and empirical analysis of diagnostic systems</i> . Ph.D. Student: Angélique Cramer, University of Amsterdam. (<i>Cum laude</i>).
2005-2011	<i>Admissible statistics and latent variable theory</i> . Ph.D. Student: Annemarie Zand Scholten, University of Amsterdam.

ORGANIZATIONAL WORK AND SERVICE TO THE FIELD:

2021-present	Director, Social and Behavioural Data Science Centre, University of Amsterdam
2021-2022	Member of the Scientific Advisory Board of ZonMW project EWS-COVID-19
2018-2021	Program Leader, Psychological Methods Group, University of Amsterdam
2019-present	Member of the Psychometric Society Editorial Council (2022: Chair)
2018	Member of the NWO Open Competition committee.
2017	Member of the NWO Replication Research Funding committee.
2016	Member of the NWO Vidi committee.
2014-2017	Member of the NWO Complexity committee.
2012-2014	Expert panel member for the Flemish Organization for Scientific research (FWO).
2012	Presided the Committee for Restructuring Year 2 of the Psychology Bachelor at the University of Amsterdam.
2011	Organized the Invited Symposium “Validity” for the International Meeting of the Psychometric Society, Hong Kong.
2011	Organized the Invited Symposium “Network analysis” for the Association for Psychological Science, Washington D.C.
2010-2013	Member of the Board of Trustees of the Psychometric Society
2010-2012	Member of the Program Committee for the International Meetings of the Psychometric Society

2009-2020	Member of the Board of the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).
2009	Co-organizer of the KNAW-symposium “The effect of causality”
2009	Member of the NWO-open competition preselection committee
2008	Ad hoc member of the NWO-Veni committee
2004-2005	Member of the Daily Governing Board of the Psychological Methods Group, University of Amsterdam.
2004	Co-organizer of the Amsterdam Workshop on Model Selection.
2003-2009	Vice-representative for the University of Amsterdam on the Board of the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).
2003-2004	Member of the Bachelor-Master Advisory Committee of the Department of Psychology, University of Amsterdam.
2000-2002	PhD representative on the Board of the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).
2000	Co-organizer of the Public Conference on Psychology at the University of Amsterdam.
1998-2000	Vice-representative of PhD students of the Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).
1995	Co-founder of the Methodology Helpdesk (“Methodologiewinkel”) of the Department of Psychology, University of Amsterdam.

EDITORIAL AND REVIEWING WORK:

2121-2022	Special Issue Editor, <i>Child Development</i>
2021-present	Associate Editor, <i>Journal of Behavioral Data Science</i>
2018-present	Editorial Board, <i>Clinical Psychological Science</i>
2018-present	Editorial Board, <i>Journal of Abnormal Psychology</i>
2017-present	Editorial Board, <i>Psychological Medicine</i>
2013-present	Editorial Board, <i>European Journal of Personality</i>
2012-2013	Editorial Board, <i>Archives of Scientific Psychology</i>
2010-present	Editorial Board, <i>Frontiers of Quantitative Psychology</i>
2009-present	Editorial Board, <i>Educational Measurement: Issues and Practice</i>
2008-present	Editorial Board, <i>Measurement Science Review</i>
2007-2009	Associate Editor, <i>Netherlands Journal of Psychology</i>
2003-present	Ad hoc reviewer for journals like <i>Science</i> , <i>JAMA Psychiatry</i> , <i>Psychometrika</i> , <i>Behavioral and Brain Sciences</i> , <i>Psychological Review</i> , <i>American Psychologist</i> , <i>Journal of Theoretical Biology</i> , <i>Statistica Neerlandica</i> , <i>Psychonomic Bulletin & Review</i> , <i>Journal of Experimental Psychology</i> , <i>Developmental Psychology</i> , <i>Educational Measurement</i> , <i>Behavior Genetics</i> , <i>Psychological Methods</i> , <i>Psychological Medicine</i> , <i>Theory and Psychology</i> , <i>Journal of Personality and Social Psychology</i> .
2007-2009	Referee, <i>Social Sciences and Humanities Research Council of Canada</i> , <i>Research Council K.U. Leuven</i> , <i>Natural Sciences and Engineering Council of Canada</i> , <i>Swiss National Science Foundation</i> , <i>National Science Foundation</i> , <i>National University of Singapore</i> .

GRANTS:

- 2020 NWO Corona: Fast-track grant
- 2020 ZonMW Covid-19 Urgent Grant (Co-applicant; PI Hans Heesterbeek)
- 2020 IXA Proof of Concept grant
- 2019 NWO personal Vici grant
- 2018 NWO Research Talent grant. Ph.D. project: Within, between, and beyond, by Ria Hoekstra.
- 2016 NWO Research Talent grant. Ph.D. project: A network approach to psychosis, by Adela Isvoranu.
- 2015 ERC Consolidator grant for the project “Psychosystems: Consolidating Network Approached to Psychopathology”
- 2015 IOPS Graduate School Programme grant. Ph. D. project: “The history of psychometrics”, by Lisa Wijsen
- 2012 NWO Research Talent grant. Ph.D. project: Network Psychometrics, by Sacha Epskamp.
- 2011 NWO Meerwaarde grant (co-applicant; primary applicant Dr. Marija Maric)
- 2007 NWO personal Vidi grant
- 2006 ICTO grant for developing a Wiki-application for educational use
- 2006 NWO grant for a visit of Dr. B. Haig to the University of Amsterdam
- 2006 NWO open competition grant, Ph.D. project: “Admissible statistics and latent variable theory”, by Annemarie Zand Scholten
- 2005 NWO grant for a visit of Dr. K. Markus to the University of Amsterdam
- 2003 NWO personal Veni grant
- 2001 NWO grant for visiting the Max Planck Institute in Berlin

AWARDS:

- 2014 Samuel J. Messick Award awarded jointly by the Educational Testing Service (ETS) and the International Language Testing Association (ILTA) for my psychometric work on validity
- 2014 Christiaan Hamaker Award for excellence in teaching, Department of Psychology, University of Amsterdam
- 2007 Nico H. Frijda Award for the best educational achievement at the Department of Psychology, University of Amsterdam (co-receiver, with J.M. Wicherts, for our Methods Course)
- 2004 Erskine fellowship from the University of Canterbury, New Zealand
- 2004 Psychometric Society Dissertation Award
- 1998 Nico H. Frijda Award for the best educational achievement at the Department of Psychology, University of Amsterdam (co-receiver; for renewing the educational material in the propedeutic curriculum)
- 1996 Nico H. Frijda Award for the best educational achievement at the Department of Psychology, University of Amsterdam (co-receiver; for developing a Methodology Helpdesk).

MEMBERSHIPS:

Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS)
Psychometric Society
Association for Psychological Science (Fellow)

2. PUBLICATIONS

<https://dennyborsboom.com/publications/>

Summary: The content of my work ranges from theoretical psychometrics to substantive psychology. I have published in a varied set of journals in the areas of theoretical psychology (*Psychological Review*), psychometrics (*Psychometrika*), clinical psychology (*Annual Review of Clinical Psychology*), psychiatry (*World Psychiatry*), philosophy (*Synthese*), and behavioral science (*Behavioral and Brain Sciences*). See my [Google Scholar](#) page for further information and citation data.

BOOKS:

1. Isvoranu, A. M., Epskamp, S., Waldorp, L. J., & Borsboom, D. (Eds.). (2022). *Network Psychometrics with R: A Guide for Behavioral and Social Scientists*. Routledge, Taylor & Francis Group.
2. Markus, K., & Borsboom, D. (2013). *Frontiers of validity theory: Measurement, causation, and meaning*. New York: Routledge.
3. Borsboom, D. (2005). *Measuring the mind: Conceptual issues in contemporary psychometrics*. Cambridge: Cambridge University Press.

PAPERS:

4. Dekker, M. M., Blanken, T. F., Dablander, F., Ou, J., Borsboom, D., & Panja, D. (2022). Quantifying agent impacts on contact sequences in social interactions. *Scientific Reports*, *12*(1), 1–12.
5. Isvoranu, A.-M., Ziermans, T., Schirmbeck, F., Borsboom, D., Geurts, H. M., de Haan, L., & Jim, G. I. van A. T. B.-V. A. A. S. C. J. P. van O. (2022). Autistic symptoms and social functioning in psychosis: a network approach. *Schizophrenia Bulletin*, *48*(1), 273–282.
6. Dablander, F., Heesterbeek, H., Borsboom, D., & Drake, J. M. (2022). Overlapping timescales obscure early warning signals of the second COVID-19 wave. *Proceedings of the Royal Society B*, *289*(1968), 20211809.
7. Bringmann, L. F., Albers, C., Bockting, C., Borsboom, D., Ceulemans, E., Cramer, A., Epskamp, S., Eronen, M. I., Hamaker, E., & Kuppens, P. (2022). Psychopathological networks: Theory, methods and practice. *Behaviour Research and Therapy*, *149*, 104011.
8. Isvoranu, A.-M., Epskamp, S., Waldorp, L., & Borsboom, D. (2022). *Network Psychometrics with R: A Guide for Behavioral and Social Scientists*. Routledge.
9. Borsboom, D., Deserno, M. K., Rhemtulla, M., Epskamp, S., Fried, E. I., McNally, R. J., Robinaugh, D. J., Perugini, M., Dalege, J., & Constantini, G. (2022). Author Correction: Network analysis of multivariate data in psychological science. *Nature Reviews Methods Primers*, *2*(1), 1–2.
10. Lunansky, G., van Borkulo, C. D., Blanken, T., Cramer, A., & Borsboom, D. (2022). *Bouncing back from life's perturbations: Formalizing psychological resilience from a complex systems perspective*.

11. Marsman, M., Waldorp, L., & Borsboom, D. (2022). Towards an encompassing theory of network models: Reply to Brusco, Steinley, Hoffman, Davis-Stober, and Wasserman (2019). *Psychological Methods*, No Pagination Specified-No Pagination Specified. <https://doi.org/10.1037/met0000373>
12. Isvoranu, A.-M., Boyette, L.-L., Guloksuz, S., & Borsboom, D. (2021). *Symptom network models of psychosis*. In: Tamminga, C.A., Ivleva, E.I., Reininghas, U., van Os, J., eds. *Dimensions of Psychosis: Comprehensive Conceptualization and Treatments*. New York, NY: Oxford University Press.
13. van Bork, R., Rhemtulla, M., Waldorp, L. J., Kruis, J., Rezvanifar, S., & Borsboom, D. (2021). Latent variable models and networks: Statistical equivalence and testability. *Multivariate Behavioral Research*, *56*(2), 175–198.
14. Borsboom, D. (2021). Une théorie des réseaux des troubles mentaux. *Annales Médico-Psychologiques, Revue Psychiatrique*, *179*(1), 86–94.
15. Lunansky, G., Van Borkulo, C. D., Haslbeck, J., Van der Linden, M. A., Garay, C. J., Etchevers, M. J., & Borsboom, D. (2021). The mental health ecosystem: extending symptom networks with risk and protective factors. *Frontiers in Psychiatry*, *12*, 301.
16. Wijzen, L. D., Borsboom, D., & Alexandrova, A. (2021). Values in Psychometrics. *Perspectives on Psychological Science*, 17456916211014184.
17. Borsboom, D., Kelderman, H., & van der Linden, W. J. (2021). Obituary Gideon J. Mellenbergh (1938–2021). *Psychometrika*, *86*(3), 836–840.
18. Lunansky, G., Naberman, J., van Borkulo, C. D., Chen, C., Wang, L., & Borsboom, D. (2021). Intervening on psychopathology networks: Evaluating intervention targets through simulations. *Methods*.
19. von Klipstein, L., Borsboom, D., & Arntz, A. (2021). The exploratory value of cross-sectional partial correlation networks: Predicting relationships between change trajectories in borderline personality disorder. *PloS One*, *16*(7), e0254496.
20. Blanken, T. F., Tanis, C. C., Nauta, F. H., Dablander, F., Zijlstra, B. J. H., Bouten, R. R. M., Oostvogel, Q. H., Boersma, M. J., van der Steenhoven, M. V., & van Harreveld, F. (2021). Promoting physical distancing during COVID-19: a systematic approach to compare behavioral interventions. *Scientific Reports*, *11*(1), 1–8.
21. van der Wal, J. M., van Borkulo, C. D., Deserno, M. K., Breedvelt, J. J. F., Lees, M., Lokman, J. C., Borsboom, D., Denys, D., van Holst, R. J., & Smidt, M. P. (2021). Advancing urban mental health research: From complexity science to actionable targets for intervention. *The Lancet Psychiatry*, *8*(11), 991–1000.
22. Haslbeck, J. M. B., Borsboom, D., & Waldorp, L. J. (2021). Moderated Network Models. *Multivariate Behavioral Research*, *56*(2), 256–287. <https://doi.org/10.1080/00273171.2019.1677207>
23. Haslbeck, J. M. B., Ryan, O., Robinaugh, D. J., Waldorp, L. J., & Borsboom, D. (2021). Modeling psychopathology: From data models to formal theories. *Psychological Methods*. <https://doi.org/10.1037/met0000303>
24. Tanis, C. C., Leach, N. M., Geiger, S. J., Nauta, F. H., Dablander, F., van Harreveld, F., de Wit, S., Kanters, G., Knoppers, J., Markus, D. A. W., Bouten, R. R. M., Oostvogel, Q. H., Boersma, M. J., van der Steenhoven, M. V., Borsboom, D., & Blanken, T. F. (2021). Smart Distance Lab's art fair, experimental data on social distancing during the COVID-19 pandemic. *Scientific Data*, *8*(1), 179. <https://doi.org/10.1038/s41597-021-00971-2>
25. Blanken, T. F., Bathelt, J., Deserno, M. K., Voge, L., Borsboom, D., & Douw, L. (2021). Connecting brain and behavior in clinical neuroscience: A network approach. *Neuroscience & Biobehavioral Reviews*, *130*, 81–90. <https://doi.org/https://doi.org/10.1016/j.neubiorev.2021.07.027>

26. Borsboom, D., van der Maas, H. L. J., Dalege, J., Kievit, R. A., & Haig, B. D. (2021). Theory Construction Methodology: A Practical Framework for Building Theories in Psychology. *Perspectives on Psychological Science*, *16*(4), 756–766. <https://doi.org/10.1177/1745691620969647>
27. Borsboom, D., Deserno, M. K., Rhemtulla, M., Epskamp, S., Fried, E. I., McNally, R. J., Robinaugh, D. J., Perugini, M., Dalege, J., Costantini, G., Isvoranu, A.-M., 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), 58. <https://doi.org/10.1038/s43586-021-00055-w>
28. Wijzen, L. D., & Borsboom, D. (2021). Perspectives on psychometrics: Interviews with 20 past Psychometric Society presidents. *Psychometrika*, *86*, 327–343.
29. Isvoranu, A. M., Abdin, E., Chong, S. A., Vaingankar, J., Borsboom, D., & Subramaniam, M. (2021). Extended network analysis: from psychopathology to chronic illness. *BMC Psychiatry*, *21*, 119.
30. Aalbers, G., Engels, T., Haslbeck, J. M. B., Borsboom, D., & Arntz, A. (2021). The network structure of schema modes. *Clinical Psychology and Psychotherapy*.
31. Finnemann, A., Borsboom, D., Epskamp, S., & van der Maas, H. L. J. (2021). The Theoretical and Statistical Ising Model: A Practical Guide in R. *Psych*, *3*(4), 594–618. <https://doi.org/10.3390/psych3040039>
32. Blanken, T. F., Borsboom, D., Penninx, B. W. J. H., & Van Someren, E. J. W. (2020). Network outcome analysis identifies difficulty initiating sleep as a primary target for prevention of depression: a 6-year prospective study. *Sleep*, *43*(5), [zsz288]
33. Kalis, A., & Borsboom, D. (2020). Folk psychology as a causal language. *Theory & Psychology*, *30*(5), 723–728.
34. Boyette, L-L., Isvoranu, A-M., Schirmbeck, F., Velthorst, E., Simons, C. J. P., Barrantes-Vidal, N., Bressan, R., Kempton, M. J., Krebs, M-O., McGuire, P., Nelson, B., Nordentoft, M., Riecher-Rössler, A., Ruhrmann, S., Rutten, B. P., Sachs, G., Valmaggia, L. R., van der Gaag, M., Borsboom, D., ... EU-GEI High Risk Study (2020). From speech illusions to onset of Psychotic Disorder: Applying network analysis to an experimental measure of aberrant experiences. *Schizophrenia Bulletin* [sgaa025].
35. Deserno, M. K., Borsboom, D., Begeer, S., van Bork, R., Hinne, M., & Geurts, H. M. (2020). Highways to happiness for autistic adults? Perceived causal relations among clinicians. *PLoS ONE*, *15*(12), [e0243298].
36. Isvoranu, A. M., Guloksuz, S., Epskamp, S., van Os, J., Borsboom, D., & GROUP Investigators (2020). Toward incorporating genetic risk scores into symptom networks of psychosis. *Psychological Medicine*. <https://doi.org/10.1017/S003329171900045X>
37. Lange, J., Dalege, J., Borsboom, D., van Kleef, G. A., & Fischer, A. H. (2020). Toward an integrative psychometric model of emotions. *Perspectives on Psychological Science*, *15*(2), 444-468.
38. Lunansky, G., van Borkulo, C., & Borsboom, D. (2020). Personality, resilience, and psychopathology: A model for the interaction between slow and fast network processes in the context of mental health. *European Journal of Personality*, *34*(6), 969-987.
39. Miers, A. C., Weeda, W. D., Blöte, A. W., Cramer, A. O. J., Borsboom, D., & Westenberg, P. M. (2020). A cross-sectional and longitudinal network analysis approach to understanding connections among social anxiety components in youth. *Journal of Abnormal Psychology*, *129*(1), 82-91.

40. Rhemtulla, M., van Bork, R., & Borsboom, D. (2020). Worse than measurement error: Consequences of inappropriate latent variable measurement models. *Psychological Methods*, 25(1), 30-45.
41. Robinaugh, D. J., Hoekstra, R. H. A., Toner, E. R., & Borsboom, D. (2020). The network approach to psychopathology: a review of the literature 2008–2018 and an agenda for future research. *Psychological Medicine*, 50(3), 353-366.
42. van den Berg, J. W., Smid, W., Kossakowski, J. J., van Beek, D., Borsboom, D., Janssen, E., & Gijs, L. (2020). The Application of Network Analysis to Dynamic Risk Factors in Adult Male Sex Offenders. *Clinical Psychological Science*, 8(3), 539-554.
43. Borsboom, D., Cramer, A., & Kalis, A. (2019). Brain disorders? Not really: Why network structures block reductionism in psychopathology research. *Behavioral and Brain Sciences*, 42, E2. <https://doi.org/10.1017/S0140525X17002266>
44. Borsboom, D., Cramer, A., & Kalis, A. (2019). Reductionism in retreat. *Behavioral and Brain Sciences*, 42, E32. <https://doi.org/10.1017/S0140525X18002091>
45. 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
46. Borsboom, D., Cramer, A., & Kalis, A. (2019). Reductionism in retreat. *Behavioral and Brain Sciences*, 42. doi:10.1017/S0140525X18002091
47. Isvoranu, A. M., Guloksuz, S., Epskamp, S., van Os, J., Borsboom, D., & GROUP Investigators. (2019). Toward incorporating genetic risk scores into symptom networks of psychosis. *Psychological Medicine*, 1-8.
47. Letina, S., Blanken, T. F., Deserno, M. K., & Borsboom, D. (2019). Expanding network analysis tools in psychological networks: Minimal spanning trees, participation coefficients, and motif analysis applied to a network of 26 psychological attributes. *Complexity*. doi:10.1155/2019/9424605
48. Oreel, T. H., Borsboom, D., Epskamp, S., Hartog, I. D., Netjes, J. E., Nieuwkerk, P. T., Henriques, J. P. S., Scherer-Rath, M., van Laarhoven, H. W. M., & Spranger, M. A. G. (2018). The dynamics in health-related quality of life of patients with stable coronary artery disease were revealed: a network analysis. *Journal of Clinical Epidemiology*. <https://doi.org/10.1016/j.jclinepi.2018.11.022>
49. Blanken, T. F., Benjamins, J. S., Borsboom, D., Vermunt, J. K., Paquola, C., Ramautar, J., Dekker, K., Stoffers, D., Wassing, R., Wei, Y., & van Someren, E. J. W. (2019). Insomnia disorder subtypes derived from life history and traits of affect and personality. *The Lancet Psychiatry*. [https://doi.org/10.1016/S2215-0366\(18\)30464-4](https://doi.org/10.1016/S2215-0366(18)30464-4)
50. Blanken, T.F., Van der Zweerde, T., Van Straten, A., Van Someren, E.J.W., Borsboom, D., Lancee, J. (2019). Introducing Network Intervention Analysis to investigate sequential, symptom-specific treatment effects: A demonstration in co-occurring insomnia and depression. *Psychotherapy and Psychosomatics*. <https://doi.org/10.1159/000495045>.
51. Borsboom, D., Robinaugh, D. J., The Psychosystems Group, Rhemtulla, M., & Cramer, A. O. J. (2018). Robustness and replicability of psychopathology networks. *World Psychiatry*, 17, 143-144.
52. Blanken, T. F., Benjamin, J. S., Borsboom, D., Vermunt, J. K., Paquola, C., Ramautar, J., Dekker, K., Stoffers, D., Wassing, R., Wei, Y., & Van Someren, E. J. W. (2018). Insomnia disorder subtypes derived from life history and traits of affect and personality. *Lancet Psychiatry*, 6, 151-163.
53. Epskamp, S., Borsboom, D., & Fried, E. I. (2018). Estimating Psychological Networks and their Accuracy: A tutorial paper. *Behavior Research Methods*, 50(1), 195-212.

54. Haig, B. D., & Borsboom, D. (2018). Scientific realism *with* correspondence truth: A reply to Asay. *Theory & Psychology*, 28, 398-404.
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KEYNOTE LECTURES:

Borsboom, D. (2019). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Landelijke aiotho-dag, Nijmegen.

Borsboom, D. (2018). Network approaches to psychopathology. Paul B. Baltes lecture, Berlin-Brandenburg Academy of Sciences, Berlin.

Borsboom, D. (2018). An innovative conceptualisation of mental disorders: The network approach. Keynote lecture for the 26th European Congress of Psychiatry. Nice, France.

Borsboom, D. (2018). Tools voor de scientist practitioner in de klinische praktijk van de gezondheidspsychologie. [Tools for the scientist practitioner in the clinical practice of health psychology]. Keynote lecture for the Nederlandse Vereniging voor Gezondheidspsychologie. Amersfoort, The Netherlands.

Borsboom, D. (2017). Network approaches to psychopathology. Keynote lecture at the Graduate Research Day, Erasmus University Rotterdam. Rotterdam, The Netherlands.

Borsboom, D. (2017). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the Stichting Onverklaarde Lichamelijke Klachten (SOLK). Zwolle, The Netherlands.

Borsboom, D. (2017). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the Fall conference of the Vereniging voor Gedragstherapie en Cognitieve therapie (VGCT). Veldhoven, The Netherlands.

Borsboom, D. (2016). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the Spring Conference of the Dutch Association for Psychiatry [Nederlandse Vereniging voor Psychiatrie]. Maastricht, The Netherlands.

Borsboom, D. (2016). Network approaches to psychopathology: An overview. Keynote lecture at the Annual Research Meeting of the Experimental Psychopathology (EPP) Graduate School. Utrecht, The Netherlands.

Borsboom, D. (2016). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the NVGzP-congres 'De veranderende wereld van de Gz- & Klinisch (neuro)psycholoog' [The changing world of health and clinical psychologists]. Bunnik, The Netherlands.

Borsboom, D. (2016). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the Annual Research Meeting of the Amsterdam Medical Center (AMC). Amsterdam, The Netherlands.

Borsboom, D. (2016). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the Arq Herfst symposium 'DSM-5: Nieuw, maar ook beter?' [DSM-5: New and better?]. Diemen, The Netherlands.

The theoretical status of mental disorders: A network perspective. Keynote lecture at the Leuven Philosophy of Medicine Conference: Pathologizing Mind and Body. Leuven, Belgium (2015).

Mental disorders, network models, and dynamical systems. Keynote lecture at the International Conference on Psychometric Nosology. Copenhagen, Denmark (2015).

Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the Symposium 15 Jaar Gedachten Uitpluizen. Bunnik, The Netherlands (2015).

Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Keynote lecture at the 11th Phrenos Psychosis Conference. Zwolle, The Netherlands (2015).

A science in search of its subject: How psychometrics has shaped, strengthened, and shortchanged psychological science. Keynote lecture at the 29th Boulder Conference on the History and Philosophy of Science, Boulder, U.S.A. (2013).

Network analysis: An integrative approach to research and treatment in psychology. Keynote lecture at the 1st EFPSA conference, Amsterdam, The Netherlands (2013).

The small world of psychopathology: An alternative paradigm. Keynote at the Meeting of the Dutch Association for Psychotrauma [Nederlandse Vereniging voor Psychotrauma], Amersfoort (2013).

The structure of human personality: A network approach. New Directions Keynote at the European Conference on Personality, Trieste, Italy (2012).

Psychosystems. Keynote lecture at the NWO Complexity Programme Winterschool, Zandvoort, The Netherlands (2012).

Psychosystems: An alternative approach to psychometric theory. Keynote lecture at the Rasch Conference, Denmark (2010).

INVITED LECTURES:

Borsboom, D. (2021). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Studium Generale Universiteit Utrecht, Utrecht.

Borsboom, D. (2019). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Jelgersma Lezing, Leiden.

Borsboom, D. (2019) Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. National aiotho-day, Nijmegen.

Borsboom, D. (2017). Netwerkbenederingen van psychopathologie [Network approaches to psychopathology]. Invited Lecture at the Anoksis day. Amersfoort, The Netherlands.

Borsboom, D. (2016). Network approaches to psychopathology. Invited lecture at the Workshop 'Causation in Medicine' at the University of Amsterdam. Amsterdam, The Netherlands.

Borsboom, D. (2016). Network approaches to psychopathology. Invited lecture for the Methusalem Program "Asthenes" and KU Leuven Center for Excellence on Generalization in Health and Psychopathology. Leuven, Belgium.

Rethinking mental disorders: A network approach. Invited lecture at the Workshop Philosophy and Psychiatry, Nijmegen, The Netherlands (2013).

Network analysis as an alternative approach to psychometrics. Invited lecture at the University of Boulder, U.S.A. (2013).

Network analysis: An integrative approach to research and treatment in psychopathology. Invited lecture at Annual Convention of the Association for Psychological Science (APS), Washington, U.S.A. (2013).

Taxons or continua? A network perspective. Invited lecture at the symposium "Paul Meehl's Legacy", Annual Convention of the Association for Psychological Science (APS), Washington, U.S.A. (2013).

The nature of psychopathology: A network approach. Invited lecture at the University of Ghent, Belgium (2012).

A problem never walks alone: Network models for psychopathology. Invited lecture at Groningen University (2012).

Psychosystems: An alternative approach to psychopathology research. Invited lecture at the University of Edinburgh, United Kingdom (2011).

Psychosystems: A network approach to psychopathology. Invited lecture at Maastricht University, Maastricht, The Netherlands (2011).

Rethinking DSM-Categories: A network approach. Invited lecture at the Annual Convention of the Association for Psychological Science (APS), Washington, U.S.A. (2011).

Psychosystems: A network approach to psychopathology. Invited lecture at the National Institute of Mental Health (NIMH), Washington, U.S.A. (2011).

Perspectives on diagnostic systems. Invited lecture for the Clinical Science Forum at the Annual Convention of the Association for Psychological Science (APS), Washington, U.S.A. (2011).

Constructs as causal systems: A network approach to psychometrics. Invited symposium lecture at the Annual Convention of the Association for Psychological Science (APS), Washington, U.S.A. (2011).

Psychosystems: A network approach to mental disorders. Invited lecture at the Erasmus University Rotterdam, The Netherlands (2010).

Symptoms, systems, and disorders. Invited lecture at Humboldt University Berlin, Germany (2010).

The unhappy marriage between psychology and psychometrics. Invited lecture for the Langeveldcolloquium, Utrecht, The Netherlands (2009).

Psychometric perspectives on diagnostic systems. Invited lecture for the Experimental Psychopathology Research School, Heeze, The Netherlands (2009).

Towers, thermometers, and spaghetti: Psychometric perspectives on diagnostic systems. Invited lecture at the Netherlands Cancer Institute, Amsterdam, The Netherlands (2008).

The end of construct validity. Invited lecture at the 9th Annual Maryland Assessment Conference at the University of Maryland, U.S.A. (2008).

Measurement invariance versus selection invariance. Invited lecture at Tilburg University, The Netherlands (2008).

Causal systems and psychometric theory. Invited lecture at the TU Eindhoven, The Netherlands (2007).

When will philosophers of science turn to psychology? Invited lecture for the Dutch Association for the Philosophy of Science (NVWF) in Leusden, The Netherlands (2007).

Psychometric properties of reflective and formative measurement models. Invited lecture for the Workgroup for Research on Health Measurement (WOG) symposium 'Psychometrics versus clinimetrics?' in Utrecht, The Netherlands. (2007).

Advising on test validity. Invited lecture at the Royal Netherlands Academy of Arts and Sciences (KNAW) workshop 'Advising on research methods' in Amsterdam, The Netherlands (2007).

Causal systems and psychometric theory. Invited lecture at the City University of New York, U.S.A. (2007).

Validity. Invited lecture at the University of Arizona, U.S.A. (2006).

The concept of validity. Invited lecture at the International Psychometric Society Meeting in Tilburg, The Netherlands (2005).

Validity. Invited lecture at the University of Canterbury, New Zealand (2004).

Validity. Invited lecture at the University of Groningen, The Netherlands (2003).

The problem of validity. Invited lecture at the University of Münster, Germany (2003).

The concept of psychological measurement. Invited lecture at the University of Illinois at Chicago, U.S.A. (2003).

Conceptual issues in psychological measurement. Invited lecture at the 13th International IOPS conference in Amsterdam, The Netherlands (2003).