Sacha Epskamp

Curriculum Vitae

Personal

Date of birth	April 15, 1985
Nationality	Dutch/EU
Languages	Dutch (native), English (fluent), Romanian (intermediate)
Marital Status	Married
Children	1

Experience

Main Employment

Jul 2022 - current **Associate Professor (tenured)**, National University of Singapore, Department of Psychology, Singapore.

Aug 2016 - Jul 2022 **Assistant Professor (tenured)**, University of Amsterdam, Department of Psychology, Amsterdam.

Aug 2012 - Aug 2016 **PhD Student**, University of Amsterdam, Department of Psychology, Amsterdam.

Feb 2009 - Aug 2012 **Student Assistant**, University of Amsterdam, Department of Psychology, Amsterdam.

Partial Employment

Jan 2020 - Jul 2022 **Principal Investigator**, University of Amsterdam, Centre for Urban Mental Health, Amsterdam.

Mar 2016 - Aug 2016 **Analysis Team for JASP Software**, University of Amsterdam, Department of Psychology, Amsterdam.

Oct 2013 - Aug 2015 **Psychometrician/Data Analyst**, Oefenweb.nl, Amsterdam.

Fellowships & Research Visits

Aug 2019 - Oct 2019 **Visiting Researcher**, National University of Singapore, Department of Psychology, Singapore.

Jan 2018 - Dec 2018 **Research Fellow**, University of Amsterdam, Institute for Advanced Studies, Amsterdam.

Feb 2016 **Visiting Researcher**, University of Edinburgh, School of Philosophy, Psychology and Language Sciences, Edinburgh.

Aug 2015 - Jan 2016 **Visiting Researcher**, Nanyang Technological University, Complexity Institute, Singapore.

Jan 2012 - Aug 2012 **Intern**, CITO, Psychometrisch Onderzoeks- en Kenniscentrum, Arnhem.

Boards, Committees & Consultancy

Sep 2020 - current **Statistical Consultant**, National Institute for Public Health and the Environment (RIVM).

Aug 2016 - current **Staff Member**, Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS).

Jan 2018 - March 2020 **Committee Research**, The Netherlands Platform Complex Systems (NPCS).

Feb 2015 - May 2015 **Statistical Consultant**, Center for Open Science.

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Education

Mar 2018 **Winter School on Complexity Science**, Nanyang Technological University, Complexity Institute, Singapore.

Aug 2012 - Aug 2016 **PhD**, University of Amsterdam, Department of Psychological Methods, Amsterdam.
- Date of defense: April 5 2017

Sep 2010 - Aug 2012 **Master of Science**, University of Amsterdam, Research Master Psychology, Amsterdam.
- Graduated: August 2012 (cum laude)
- Specialization: Psychological Methods
- Minor: Computational Science (University of Amsterdam)

Sep 2007 - Aug 2010 **Bachelor of Science**, University of Amsterdam, Faculty of Psychology, Amsterdam.
- Graduated: July 2010 (cum laude)
- Specialization: Psychological Methods

Grants & Awards

Grants
- Urban Mental Health — Open Call (2019)
  - €387,041 to fund 4-year PhD project (Maarten van den Ende)
- NWO Veni Grant (2018)
  - €250,000 to fund 4-year research project
- NWO Research Talent Grant (2018)
  - €200,000 to fund 4-year PhD project (Julian Burger)
- NWO Research Talent Grant (2012)
  - €167,576 to fund 4-year PhD project (myself)

Awards
- Junior Scientific Award of the Complex Systems Society
  - Prize from the leading society on complex systems recognizing my early career. Awarded in September 2019 at the CCS conference at Nanyang Technological University, Singapore.
- IMPS Dissertation Prize
  - Prize from the leading society on psychometrics, recognizing my dissertation as the best dissertation of the year. Awarded in July 2018 at the IMPS conference at Columbia University, New York.
- Leamer-Rosenthal Prize
  - Exclusive prize ($10,000) awarded to me and my colleague Michele Nuijten, recognizing our work on meta science.
- IMPS Travel Award
  - Awarded at the IMPS conference at Beijing Normal University in 2015.
- IOPS Best Paper Award
  - Prize recognizing a paper as best paper of the year by the Dutch graduate school for psychometrics and sociometrics. Awarded in 2017.

Editorial Activities

Editor
- Guest editor
  - *European Journal of Personality*
  - *European Journal of Psychological Assessment*
- Associate Editor
  - *Psychometrika* (2020 - 2022)
  - *Psychological Methods* (2021 - present)
  - *Multivariate Behavioral Research* (2022 - present)
- Consulting editor
  - *European Journal of Personality*
- Textbook editor
  - *Taylor & Francis*

Reviewer *Multivariate Behavioral Research*, *Psychological Methods*, *Psychometrika*, *Clinical Psychological Science*, *Journal of Abnormal Psychologists*, *Nature Scientific Reports*, *Psychological Medicine*, *Structural Equation Modeling*, *Developmental Psychology*, *Depression & Anxiety*, *Journal of Computational Science*, and more.

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Publication Summary

	#	Impact	Journals
			Total citations (including unpublished work): 22,978, h-index: 43, $i10$ index: 60
Main/Single	18	Citations: 6,984 (median: 204.5) Journal IF: 1.96 - 49.55 (median: 2.77)	Addictive Behaviors, Advances In Methods and Practices in Psychological Science, Behavior Research Methods, Clinical Psychological Science, Journal of Research in Personality, Journal of Statistical Software, Multivariate Behavioral Research (2), PLoS One, Psychological Methods, Psychometrika (3), Structural Equation Modeling, World Psychiatry
Senior	14	Citations: 704 (median: 22.5) Journal IF: 2.74 - 8.43 (median: 4.2)	BMC Medicine, Clinical Psychological Science, International Journal of Methods in Psychiatric Research, Journal of Intelligence, Journal of School Psychology, Multivariate Behavioral Research, PLoS One, Psychological Medicine, Psychological Methods (2)
Co-author	47	Citations: 15,157 (median: 61) Journal IF: 0.68 - 41.85 (median: 4.03)	Addictive Behaviors, Behavior Research Methods, Behaviour Research and Therapy, ECIS 2015 Research-in-Progress Papers, European Journal of Personality, European Journal of Psychotraumatology, International Journal of Eating Disorders, International Journal of Methods in Psychiatric Research, Journal of Abnormal Psychology (4), Journal of Affective Disorders (2), Journal of clinical epidemiology, Journal of Psychosomatic Research, Journal of Research in Personality, Journal of Statistical Software, Multivariate Behavioral Research (3), Nature Reviews Methods Primers, New Ideas in Psychology, Personality and Individual Differences, Perspectives on Psychological Science, PLoS One, Psych, Psychological Assessment, Psychological Medicine (3), Psychological Methods (2), Psychonomic Bulletin & Review (2), Psychotherapy and Psychosomatics, Quality of Life Research, Rijksinstituut voor Volksgezondheid en Milieu RIVM, Schizophrenia Bulletin, Scholarship of Teaching and Learning in Psychology, Science, Scientific reports, Theory and Psychology, World Psychiatry

Presentations & Teaching Summary

Presentation sheets can be found on my website at sachaepskamp.com/presentations, teaching materials can be found at sachaepskamp.com/teaching, and video lectures are available at sachaepskamp.com/video-lectures.

		#	Location / Name
Talks	Keynote	5	27th IOPS Winter Conference (Tilburg), e-coaching for Health and Wellbeing conference (Amsterdam), EMPG 2018 (Genova), IMPS 2018 (New York), ITC Colloquim 2021 (online)
	Invited	30	APS 2014 (San Francisco), CCS 2019 (Singapore), Complex Networks 2019 Satellite: Social Good (Carcavelos), Complexity Sharing Session September 2019 (Singapore), EAPP / EAPA Expert Meeting (Edinburgh), FAINOR university (Vitoria da Conquista), National Chengchi University (Taipei), National University of Singapore (Singapore), NCPS 2019 (Utrecht), NTU Complexity Community Sharing Session (Singapore), NTU Complexity Community Sharing Session (Singapore), Online seminar at the National University of Singapore (online), Online Seminar at the University of Louisville (online), Penn State QuantDev Talk (online), Politie Data Science Meetup (online), Psychological Networks & Time-series models (Groningen), Psychosystems labmeeting (online), Quantitative Research Forum (online), Reflections on Replication (Utrecht), Rosalind Franklin University Colloquium (online), Tilburg Social Psychology Colloquium (Tilburg), TNO (Soesterberg), University of Amsterdam PsyForum (online), University of California, Davis (Davis), University of Cambridge: Department of Developmental Psychiatry (Cambridge), University of Cambridge: MRC Cognition and Brain Sciences Unit (Cambridge), University of Edinburgh (Edinburgh), University of Milano-Bicocca (Milan), Virginia Commonwealth University (Richmond), Xomnia Xpert Session (Amsterdam)
	Contributed	27	Amsterdam R usergroup (Amsterdam), APS 2018 (San Francisco), APS 2018 (San Francisco), CCS 2016 (Amsterdam), CCS 2017 (Cancun), CCS 2018 (Thessaloniki), CCS 2019 (Singapore), CCS 2020 (online), Complexity Conference 2018: Complexities of Time (Singapore), ICPS 2015 (Amsterdam), ICPS 2019 (Paris), IMPS 2013 (Arnhem), IMPS 2013 (Arnhem), IMPS 2015 (Beijing), IMPS 2017 (Zurich), IMPS 2018 (New York), IOPS 2015 winter conference (Leiden), ITC 2012 (Amsterdam), Lustrumcongres (Utrecht), M3 (Storrs), Meeting of the Working Group SEM (Gent), Psychoco 2011 (Tuebingen), Psychoco 2014 (Tuebingen), Structural Equation Modeling: New Developments and Applications (Tilburg), UseR 2013 (Albacete), Virtual IMPS 2020 (online), Youtube (online)
Workshops	Hosted	10	Network Analysis (2020; EPP 2020; online), Psychological Networks Amsterdam Summer School (2017, 2018, 2019, 2020; University of Amsterdam; Amsterdam/online), Psychological Networks Amsterdam Winter School (2018, 2019, 2020, 2021; University of Amsterdam; Amsterdam/online), Workshop on Network Psychometrics (2021; University of Bern; online)
	Invited	4	Network Analysis (2014; FAINOR University; Vitoria da Conquista), Network Psychometrics Workshop (2019; National Chengchi University; Taipei), Psychological network analysis: estimation, inference, and stability (2016; Utrecht University; Utrecht), Workshop Psychological Dynamics (2017; University of Zurich; Zurich)
Courses	Coordinator	21	Confirmatory Factor Analysis (2017, 2018, 2019, 2020, 2021, 2022), Data Vizualization (2018), Multivariate statistics 1 (2017), Multivariate statistics 2 (2017), Network Analysis (2013, 2014, 2016, 2017), Programming Skills R (2013, 2013), Structural Equation Modeling (2017, 2018, 2019, 2020, 2021, 2022)
	Lecturer	25	Confirmatory Factor Analysis (2017, 2018, 2019, 2020, 2021, 2022), Data Vizualization (2018), Introduction to R (2014*), Multivariate statistics 1 (2017), Multivariate statistics 2 (2017), Network Analysis (2013, 2014, 2016, 2017, 2019*, 2020*), Programming Skills R (2013, 2013), Simulating Psychological Processes (2020*), Structural Equation Modeling (2017, 2018, 2019, 2020, 2021, 2022)

* Guest lecturer

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Courses (Coordinator & Lecturer)

Course	Year	Level	EC	# Students	Evaluation (course)	Evaluation (teacher)
Programming Skills R	2013	MSc	6	20	7.6	7.6
Network Analysis	2013	BSc	6	20	7.9	7.9
Programming Skills R	2013	MSc	6	20	7.4	7.7
Network Analysis	2014	MSc	6	22	8.5	8.8
Network Analysis	2016	MSc	6	35	8.6	8.9
Multivariate statistics 1	2017	MSc	3	45	6.7	6.4
Multivariate statistics 2	2017	MSc	3	45	7.4	7
Confirmatory Factor Analysis	2017	MSc	3	25	7.5	7.7
Structural Equation Modeling	2017	MSc	3	19	8.3	8.2
Network Analysis	2017	MSc	6	31	8.8	8.8
Data Vizualization	2018	MSc	3	16	8.2	8.5
Confirmatory Factor Analysis	2018	MSc	3	30	8.6	8.7
Structural Equation Modeling	2018	MSc	3	19	8.3	8.6
Confirmatory Factor Analysis	2019	MSc	3	43	8.5	8.8
Structural Equation Modeling	2019	MSc	3	30	8.4	8.7
Confirmatory Factor Analysis	2020	MSc	3	45	8.3	8.8
Structural Equation Modeling	2020	MSc	3	29	8.4	8.9
Confirmatory Factor Analysis	2021	MSc	3	36	8.1	8
Structural Equation Modeling	2021	MSc	3	29	8.2	8.4
Confirmatory Factor Analysis	2022	MSc	3	51	not available	not available
Structural Equation Modeling	2022	MSc	3	36	not available	not available

Note: an EC corresponds to 28 total hours a student is expected to spend working on a course (e.g., including lectures, studying, and assignments). An 3 EC course typically takes four weeks with a two-hour lecture and a two-hour practical per week. Evaluations are on a scale from 1 (worst) to 10 (best).

Supervision (PhD / MSc)

Current PhD students Julian Burger (together with the University Medical Center Groningen), Ria Hoekstra, Alessandra Mansueto (together with the Department of Communication Sciences, University of Amsterdam), Maarten van den Ende (together with the Department of Computational Science, University of Amsterdam), and Adam Finneman.

Former MSc students René Friechel, Edita Chvojkova, Adam Finneman, Myrthe Veenman, Iris de Vries, Fabio Melis, Alex Alvarez Pérez, Jill de Ron (recognized with the best master thesis award at the University of Amsterdam: Department of Psychology), Julian Burger (recognized with the best research master thesis award at the University of Amsterdam: Department of Psychology), Simon Stuber, Marie Deserno, and Jonathan Klaiber.

Edited Books

Isvoranu, A.M., **Epskamp, S.**, Waldorp, L.J., & Borsboom, D. (Eds.). (2022). *Network Psychometrics with R: A Guide for Behaviorial and Social Scientists.* Routledge, Taylor & Francis Group. `https://doi.org/10.4324/9781003111238` **⟨citations: 2⟩**

Published & In Press Journal Articles

Main/single Author

Epskamp, S., Cramer, A. O. J., Waldorp, L. J., Schmittmann, V. D. & Borsboom, D. (2012). qgraph: Network Visualizations of Relationships in Psychometric Data. *Journal of Statistical Software 48*(1), 1–18. `http://dx.doi.org/10.18637/jss.v048.i04` **⟨citations: 1,914; Journal IF: 13.64⟩**

Costantini, G., **Epskamp, S.** (shared main authorship), Borsboom, D., Perugini, M., Mõttus, R., Waldorp, L. J., & Cramer, A. O. (2015). State of the aRt personality research: A tutorial on network analysis of personality data in R. *Journal of Research in Personality 54*, 13–29. `https://doi.org/10.1016/j.jrp.2014.07.003` **⟨citations: 599; Journal IF: 2.77⟩**

Epskamp, S. (2015). semPlot: Unified visualizations of Structural Equation Models. Structural Equation Modeling. *Structural Equation Modeling 22*(3), 474–483. `http://dx.doi.org/10.1080/10705511.2014.937847` **⟨citations: 401; Journal IF: 3.64⟩**

Epskamp, S., Borsboom, D. & Fried, E. I. (2017). Estimating Psychological Networks and their Accuracy: A Tutorial Paper. *Behavior Research Methods 50*(1), 195–212. `https://doi.org/10.3758/s13428-017-0862-1` **⟨citations: 1,493; Journal IF: 4.42⟩**

Epskamp, S., Kruis, J., & Marsman, M. (2017). Estimating psychopathological networks: be careful what you wish for. *PLoS One 12*(6), e0179891. `https://doi.org/10.1371/journal.pone.0179891` **⟨citations: 173; Journal IF: 2.74⟩**

Epskamp, S., Rhemtulla, M. T., & Borsboom, D. (2017). Generalized Network Psychometrics: Combining Network and Latent Variable Models. *Psychometrika 82*(4), 904–927. `https://doi.org/10.1007/s11336-017-9557-x` **⟨citations: 336; Journal IF: 1.96⟩**

Epskamp, S. & Fried, Eiko I. (2018). A Tutorial on Regularized Partial Correlation Networks.. *Psychological Methods 23*(4), 617–634. https://psycnet.apa.org/doi/10.1037/met0000167 ⟨**citations: 938; Journal IF: 8.43**⟩

Epskamp, S., van Borkulo, C. D., van der Veen, D. C., Servaas, M. N., Isvoranu, A. M., Riese, H. & Angelique O. J. Cramer. (2018). Personalized Network Modeling in Psychopathology: The Importance of Contemporaneous and Temporal Connections. *Clinical Psychological Science 6*(3), 416–427. https://doi.org/10.1177%2F2167702617744325 ⟨**citations: 236; Journal IF: 5.42**⟩

Epskamp, S., Waldorp, L. J., Mõttus, R., & Borsboom, D. (2018). The Gaussian Graphical Model in Cross-sectional and Time-series Data. *Multivariate Behavioral Research 53*(4), 453–480. https://doi.org/10.1080/00273171.2018.1454823 ⟨**citations: 427; Journal IF: 2.75**⟩

Epskamp, S. (2019). Reproducibility and Replicability in a Fast-paced Methodological World. *Advances In Methods and Practices in Psychological Science 2*(2), 145–155. https://doi.org/10.1177%2F2515245919847421 ⟨**citations: 35**⟩

Epskamp, S. (2020). Psychometric network models from time-series and panel data. *Psychometrika 85*(1), 206–231. https://doi.org/10.1007/s11336-020-09697-3 ⟨**citations: 91; Journal IF: 1.96**⟩

Epskamp, S. Isvoranu, A-M. & Cheung, W. -L. (2021). Meta-analytic Gaussian Network Aggregation. *Psychometrika*. https://doi.org/10.1007/s11336-021-09764-3 ⟨**citations: 19; Journal IF: 1.96**⟩

Epskamp, S., Fried, E. I., van Borkulo, C. D., Robinaugh, D. J., Marsman, M., Dalege, J., Rhemtulla, M., & Cramer, A. O. J. (2021). Investigating the utility of fixed-margin sampling in network psychometrics. *Multivariate Behavioral Research 56*(2), 314–328. https://doi.org/10.31234/osf.io/uas9g ⟨**citations: 18; Journal IF: 2.75**⟩

Epskamp, S., Van der Maas, H. L. J., Peterson, R. E., van Loo, H. M., Aggen, S. H., & Kendler, K. S. (2022). Intermediate Stable States in Substance Use. *Addictive Behaviors 129*, 107252. https://doi.org/10.1016/j.addbeh.2022.107252

Epskamp, S., & Isvoranu, A. M. (in press). New Trends in Network Modeling of Psychopathology. *World Psychiatry*. ⟨**Journal IF: 49.55**⟩

Senior Author

Golino, H. F. & **Epskamp, S.** (2017). Exploratory graph analysis: a new approach for estimating the number of dimensions in psychological research. *PLoS One 12*(6), e0174035. https://doi.org/10.1371/journal.pone.0174035 ⟨**citations: 381; Journal IF: 2.74**⟩

Abacioglu, C. S., Isvoranu, A. M., Verkuyten, M., Thijs, J. & **Epskamp, S.** (2019). Exploring multicultural classroom dynamics: A network analysis. *Journal of School Psychology 74*, 90–105. https://doi.org/10.1016/j.jsp.2019.02.003 ⟨**citations: 24; Journal IF: 2.98**⟩

Burger, J., Van der Veen, D. C., Robinaugh, D., Quax, R., Riese, H., Schoevers, R. A. & **Epskamp, S.** (2020). Bridging the Gap Between Complexity Science and Clinical Practice by Formalizing Idiographic Theories: A Computational Model of Functional Analysis. *BMC Medicine 18*(1), 1–18. https://doi.org/10.1186/s12916-020-01558-1 ⟨**citations: 48; Journal IF: 6.78**⟩

Kan, K-J., de Jonge, H., van der Maas, H. L. J., Levine, S. Z., & **Epskamp, S.** (2020). How to Compare Psychometric Factor and Network Models. *Journal of Intelligence 8*(4), 35. https://doi.org/10.3390/jintelligence8040035 ⟨**citations: 27; Journal IF: 2.77**⟩

De Ron, J., Fried, E. I. & **Epskamp, S.** (2021). Psychological networks in clinical populations: investigating the consequences of Berkson's bias. *Psychological Medicine 51*(1), 168–176. https://doi.org/10.1017/S0033291719003209 ⟨**citations: 69; Journal IF: 5.81**⟩

Fried, E. I., Papanikolaou, F., & **Epskamp, S.** (2021). Mental health and social contact during the COVID-19 Pandemic: An ecological momentary assessment study. *Clinical Psychological Science*. https://doi.org/10.1177%2F21677026211017839 ⟨**citations: 80; Journal IF: 5.42**⟩

Fried, E. I., Van Borkulo, C. D. & **Epskamp, S.** (2021). On the Importance of Estimating Parameter Uncertainty in Network Psychometrics: A Response to Forbes et al. (2019). *Multivariate Behavioral Research 56*(2), 243–248. https://doi.org/10.1080/00273171.2020.1746903 ⟨**citations: 20; Journal IF: 2.75**⟩

Isvoranu, A. M. & **Epskamp, S.** (2021). Which Estimation Method to Choose in Network Psychometrics? Deriving Guidelines for Applied Researchers. *Psychological Methods*. https://doi.org/10.1037/met0000439 ⟨**citations: 27; Journal IF: 8.43**⟩

Koelen, J. A., Mansueto, A. C., Finnemann, A., de Koning, L., an der Heijde, C. M., Vonk, P., Wolters, N. E., Klein, A., **Epskamp, S.**, & Wiers, R. W. (2021). COVID-19 and mental health among at-risk university students: A prospective study into risk and protective factors. *International Journal of Methods in Psychiatric Research e1901*. https://doi.org/10.1002/mpr.1901 ⟨**citations: 4**⟩

Mansueto, A. C., Wiers, R. W., Van Weert, J. C. M., Schouten, B. C., & **Epskamp, S.** (2022). Investigating the Feasibility of Idiographic Network Models. *Psychological Methods*. https://psycnet.apa.org/doi/10.1037/met0000466 ⟨**citations: 21**⟩

Co-author

Borsboom, D., Cramer, A. O. J., Schmittmann, V. D., **Epskamp, S.** & Waldorp L. J. (2011). The Small World of Psychopathology. *PLoS One 6*(11), e27407. https://doi.org/10.1371/journal.pone.0027407 ⟨**citations: 548; Journal IF: 2.74**⟩

Borsboom, D., **Epskamp, S.**, Kievit, R. A., Cramer, A. O. J., & Schmittmann,V. D. (2011). Transdiagnostic networks. *Perspectives on Psychological Science 6*(6), 610–614. https://doi.org/10.1177%2F1745691611425012 ⟨**citations: 87; Journal IF: 8.28**⟩

Schmittmann, V. D., Cramer, A. O. J., Waldorp, L. J., **Epskamp, S.**, Kievit, R. A. & Borsboom, D. (2013). Deconstructing the construct: Anetwork perspective on psychological phenomena. *New Ideas in Psychology 31*(1), 43–53. https:

//doi.org/10.1016/j.newideapsych.2011.02.007 ⟨**citations: 604; Journal IF: 1.55**⟩

van Borkulo, C. D., Borsboom, D., **Epskamp, S.**, Blanken, T. F., Boschloo, L., Schoevers, R. A., & Waldorp, L. J. (2014). A new method for constructing networks from binary data. *Scientific reports 4*, 5918. http://doi.org/10.1038/srep05918 ⟨**citations: 472; Journal IF: 4**⟩

Fried, E. I., Bockting, C., Arjadi, R., Borsboom, D., Amshoff, M., Cramer, A. O. J., **Epskamp, S.**, Tuerlinckx, F., Carr, D., & Stroebe, M. (2015). From loss to loneliness: The relationship between depressive symptoms and bereavement. *Journal of Abnormal Psychology 124*(2), 256–265. https://psycnet.apa.org/doi/10.1037/abn0000028 ⟨**citations: 303; Journal IF: 6.48**⟩

Langley, D. J., Wijn, R., **Epskamp, S.**, & Van Bork, R. (2015). Should I Get That Jab?. *ECIS 2015 Research-in-Progress Papers*, Paper 64. http://aisel.aisnet.org/ecis2015_rip ⟨**citations: 17**⟩

Love, J., ... **Epskamp, S.**, ... Rouder, J. N. (2015). Software to Sharpen your Stats. *APS Observer 28*(3), 27–29. https://www.psychologicalscience.org/observer/bayes-or-bust-with-new-softwares ⟨**citations: 45**⟩

Nuijten, M. B., Hartgerink, C. H. J., van Assen, M. A. L. M., **Epskamp, S.**, & Wicherts, J. M. (2015). The prevalence of statistical reporting errors in psychology (1985-2013). *Behavior Research Methods 48*(4), 1205–1226. https://doi.org/10.3758/s13428-015-0664-2 ⟨**citations: 436; Journal IF: 4.42**⟩

Open Science Collaboration (2015). Estimating the reproducibility of psychological science. *Science 349*(6251), aac4716. http://doi.org/10.1126/science.aac4716 ⟨**citations: 7,342; Journal IF: 41.85**⟩

Wigman, J. T. W., ... **Epskamp, S.**, ... Wichers, M. (2015). Exploring the underlying structure of mental disorders: cross-diagnostic differences and similarities from a network perspective using both a top-down and a bottom-up approach. *Psychological Medicine 45*(11), 2375–2387. https://doi.org/10.1017/S0033291715000331 ⟨**citations: 170; Journal IF: 5.81**⟩

Fried, E. I., **Epskamp, S.**, Nesse, R. M., Tuerlinckx, F., & Borsboom, D. (2016). What are 'good' depression symptoms? Comparing the centrality of DSM and non-DSM symptoms of depression in a network analysis. *Journal of Affective Disorders 189*, 314–320. https://doi.org/10.1016/j.jad.2015.09.005 ⟨**citations: 488; Journal IF: 3.89**⟩

Fried, E. I., van Borkulo, C. D., **Epskamp, S.**, Schoevers, R. A., Tuerlinckx, F., & Borsboom, D. (2016). Measuring Depression over Time ... or not? Lack of Unidimensionality and Longitudinal Measurement Invariance in Four Common Rating Scales of Depression. *Psychological Assessment 28*(11), 1354–1367. http://dx.doi.org/10.1037/pas0000275 ⟨**citations: 233; Journal IF: 2.83**⟩

Kossakowski, J. J., **Epskamp, S.**, Kieffer, J. M., van Borkulo, C. D., Rhemtulla, M., & Borsboom, D. (2016). The application of a network approach to Health-Related Quality of Life (HRQoL): introducing a new method for assessing HRQoL in healthy adults and cancer patients. *Quality of Life Research 25*(4), 781–792. https://doi.org/10.1007/s11136-015-1127-z ⟨**citations: 128; Journal IF: 2.77**⟩

Tio, P., **Epskamp, S.**, Noordhof, A., & Borsboom, D. (2016). Mapping the manuals of madness: Comparing the ICD-10 and DSM-IV-TR using a network approach. *International Journal of Methods in Psychiatric Research 25*(4), 267–276. https://doi.org/10.1002/mpr.1503 ⟨**citations: 43; Journal IF: 2.34**⟩

Wichers, M., Groot, P. C., Psychosystems, ESM Group, EWS Group (2016). Critical slowing down as a personalized early warning signal for depression. *Psychotherapy and Psychosomatics 85*(2), 114–116. https://doi.org/10.1159/000441458 ⟨**citations: 288; Journal IF: 14.86**⟩

Borsboom, D., Fried, E. I., **Epskamp, S.**, Waldorp, L. J., van Borkulo, C. D., van der Maas, H. L. J., & Cramer, A. (2017). False alarm? A comprehensive reanalysis of "Evidence that psychopathology symptom networks have limited replicability" by Forbes, Wright, Markon, and Krueger. *Journal of Abnormal Psychology 126*(7), 989–999. https://psycnet.apa.org/doi/10.1037/abn0000306 ⟨**citations: 211; Journal IF: 6.48**⟩

Mõttus, R., **Epskamp, S.**, Francis, A. (2017). Within- and between individual variability of personality characteristics and physical exercise. *Journal of Research in Personality 69*, 139–148. https://doi.org/10.1016/j.jrp.2016.06.017 ⟨**citations: 34; Journal IF: 2.77**⟩

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 and Psychology 27*(6), 759–773. https://doi.org/10.1177%2F0959354317737185 ⟨**citations: 126; Journal IF: 1.31**⟩

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Co-author

Deserno, M. K., Isvoranu, A. M., **Epskamp, S.**, & Blanken, T. F. (2022). Descriptive Analysis of Network Structures. In Isvoranu, A.M., **Epskamp, S.**, Waldorp, L.J., & Borsboom, D. (Eds.), *Network Psychometrics with R: A Guide for Behaviorial and Social Scientists*. Routledge, Taylor & Francis Group.

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Presentations

Keynotes

New Developments and Future Directions in Network Psychometrics. *27th IOPS Winter Conference*. 2017, Tilburg, The Netherlands.

Personalized Network Analysis.. *e-coaching for Health and Wellbeing conference*. 2017, Amsterdam, The Netherlands.

Network Modeling of Psychological Processes: from exploration to theory formation. *EMPG 2018*. 2018, Genova, Italy.

Network Psychometrics: Current State and Future Directions. *IMPS 2018*. 2018, New York, New York.

Network Psychometrics: Current State and Future Directions. *ITC Colloquim 2021*. 2021, online.

Invited Talks

Network Analysis for Psychologists, using qgraph in R. *APS 2014*. 2014, San Francisco, California.

Network Analysis: Uma abordagem integradora para pesquisa e tratamento em psicopatologia. *FAINOR university*. 2014, Vitoria da Conquista, Bahia (Brazil).

Network Analysis: Applications of networks in Psychology and beyond. *TNO*. 2014, Soesterberg, The Netherlands.

The Dynamics of Psychology. *National University of Singapore*. 2015, Singapore, Singapore.

Complexity in Psychology. *NTU Complexity Community Sharing Session*. 2015, Singapore, Singapore.

New developments in Network Psychometrics. *University of Edinburgh*. 2015, Edinburgh, Schotland.

Intra-individual Dynamics in Psychology. *NTU Complexity Community Sharing Session*. 2016, Singapore, Singapore.

Discovering Psychological Dynamics In cross-sectional and Time-series data. *University of California, Davis*. 2016, Davis, California.

Discovering Psychological Dynamics In cross-sectional and Time-series data. *University of Cambridge: Department of Developmental Psychiatry*. 2016, Cambridge, England.

Discovering Psychological Dynamics In cross-sectional and Time-series data. *University of Cambridge: MRC Cognition and Brain Sciences Unit*. 2016, Cambridge, England.

Discovering Psychological Dynamics: The Gaussian Graphical Model in Cross-sectional and Time-series data. *University of Milano-Bicocca*. 2016, Milan, Italy.

Discovering Psychological Dynamics. *Tilburg Social Psychology Colloquium*. 2017, Tilburg, The Netherlands.

Discovering Psychological Dynamics. *Xomnia Xpert Session*. 2017, Amsterdam, The Netherlands.

No Paradoxes: Interpreting Within- and Between-subject Network Structures. *EAPP / EAPA Expert Meeting*. 2018, Edinburgh, Schotland.

No Paradoxes: Interpreting Within- and Between-subject Network Structures. *Psychological Networks & Time-series models*. 2018, Groningen, The Netherlands.

Reproducibility and Replicability in a Fast-paced Methodological World. *Reflections on Replication*. 2018, Utrecht, The Netherlands.

Psychological complexity: From exploration to theory formation. *Virginia Commonwealth University*. 2018, Richmond, Virginia.

Complexities of mental health: towards the use of network models. *CCS 2019*. 2019, Singapore, Singapore.

Network Models of Mental Health. *Complex Networks 2019 Satellite: Social Good*. 2019, Carcavelos, Portugal.

Complexities of mental health: Towards the use of network models in therapy. *Complexity Sharing Session September 2019*. 2019, Singapore, Singapore.

Network Psychometrics: Current State and Future Directions. *National Chengchi University*. 2019, Taipei, Taiwan.

Complexity in Clinical Practice. How can network models be used to aid therapists? *NCPS 2019*. 2019, Utrecht, The Netherlands.

An Introduction to Network Psychometrics. With Applications to COVID-19 Related Datasts. *University of Amsterdam PsyForum*. 2020, online.

The Network Perspective of Psychology: From Exploration to Theory Formation. *Online seminar at the National University of Singapore*. 2021, online.

The Network Perspective of Psychology: From Exploration to Theory Formation. *Online Seminar at the University of Louisville*. 2021, online.

Psychonetrics: an R package for (dynamic) Structural Equation Modeling and Network Psychometrics. *Penn State QuantDev Talk*. 2021, online.

Netwerken van Intra- en Inter-individuele Processen. *Politie Data Science Meetup*. 2021, online.

Psychonetrics: an R package for (dynamic) Structural Equation Modeling and Network Psychometrics. *Psychosystems labmeeting*. 2021, online.

Psychonetrics: an R package for (dynamic) Structural Equation Modeling and Network Psychometrics. *Quantitative Research Forum*. 2022, online.

Psychonetrics: an R package for (dynamic) Structural Equation Modeling and Network Psychometrics. *Rosalind Franklin University Colloquium*. 2022, online.

Contributed Talks

The qgraph package for network visualizations of psychometric data. *Amsterdam R usergroup*. 2011, Amsterdam, The Netherlands.

The qgraph package for network visualizations of psychometric data. *Psychoco 2011*. 2011, Tuebingen, Germany.

Applications of visualizing test data through networks. *ITC 2012*. 2012, Amsterdam, The Netherlands.

Estimation of (Logistic) Vector-autoregression Models, Using generalized linear modelling. *IMPS 2013*. 2013, Arnhem, The Netherlands.

Network Visualizations of Relationships in Psychometric Data and Structural Equation Models, Using the qgraph package for R. *IMPS 2013*. 2013, Arnhem, The Netherlands.

Workshop Netwerken in de psychopathologie. *Lustrumcongres*. 2013, Utrecht, The Netherlands.

Network Visualizations of Statistical Relationships and Structural Equation Models. *UseR 2013*. 2013, Albacete, Spain.

semPlot: Unified visualizations of Structural Equation Models. *M3*. 2014, Storrs, Connecticut.

semPlot: Unified visualizations of Structural Equation Models. *Psychoco 2014*. 2014, Tuebingen, Germany.

Applied network analysis in Clinical Practice. *ICPS 2015*. 2015, Amsterdam, The Netherlands.

Residual Interaction Modeling. *IMPS 2015*. 2015, Beijing, China.

Generalized Network Analysis: Combining Network and Latent Variable Models. *IOPS 2015 winter conference*. 2015, Leiden, The Netherlands.

Discovering Psychological Dynamics in Time-Series Data. *CCS 2016*. 2016, Amsterdam, The Netherlands.

Psychological Complexity: New Directions in Dynamical Systems Modeling. *CCS 2017*. 2017, Cancun, Yucatan (Mexico).
Generalized Network Psychometrics Combining Network And Latent Variable Models. *IMPS 2017*. 2017, Zurich, Switzerland.
Generalized Network Psychometrics: Combining Network and Latent Variable Models. *Meeting of the Working Group SEM*. 2017, Gent, Belgium.
Intra-individual Networks and Latent Variable Models. *APS 2018*. 2018, San Francisco, California.
Personalized Networks in Clinical Practice: Recent developments, Challenges and Future Directions. *APS 2018*. 2018, San Francisco, California.
Intermediate stable states in substance use: can allowing use prevent abuse? *CCS 2018*. 2018, Thessaloniki, Greece.
Measuring a person over time: Complexity in the study of psychological dynamics. *Complexity Conference 2018: Complexities of Time*. 2018, Singapore, Singapore.
Network-based Adaptive Assessment. *IMPS 2018*. 2018, New York, New York.
Networks Within Networks: From Psychological Dynamics to Social Phenomena. *CCS 2019*. 2019, Singapore, Singapore.
Network Psychometrics: Phase 2. *ICPS 2019*. 2019, Paris, France.
Psychological Network Analysis of COVID-19 Releated Datasets. *CCS 2020*. 2020, online.
Introducing psychonetrics, an R package for structural equation modelling and network psychometrics. *Virtual IMPS 2020*. 2020, online.
Within- and between subject designs: differences between types of data and types of analysis.. *Youtube*. 2020, online.
Psychonetrics: an R package for (dynamic) Structural Equation Modeling and Network Psychometrics. *Structural Equation Modeling: New Developments and Applications*. 2022, Tilburg, The Netherlands.

Workshops

Invited Workshops

Network Analysis. *FAINOR University*. 2014, Vitoria da Conquista, Bahia (Brazil).
Psychological network analysis: estimation, inference, and stability. *Utrecht University*. 2016, Utrecht, The Netherlands.
Workshop Psychological Dynamics. *University of Zurich*. 2017, Zurich, Switzerland.
Network Psychometrics Workshop. *National Chengchi University*. 2019, Taipei, Taiwan.

Hosted Workshops

Psychological Networks Amsterdam Summer School. *University of Amsterdam*. 2017, Amsterdam, The Netherlands.
Psychological Networks Amsterdam Summer School. *University of Amsterdam*. 2018, Amsterdam, The Netherlands.
Psychological Networks Amsterdam Winter School. *University of Amsterdam*. 2018, Amsterdam, The Netherlands.
Psychological Networks Amsterdam Summer School. *University of Amsterdam*. 2019, Amsterdam, The Netherlands.
Psychological Networks Amsterdam Winter School. *University of Amsterdam*. 2019, Amsterdam, The Netherlands.
Network Analysis. *EPP 2020*. 2020, online.
Psychological Networks Amsterdam Summer School. *University of Amsterdam*. 2020, online.
Psychological Networks Amsterdam Winter School. *University of Amsterdam*. 2020, Amsterdam, The Netherlands.
Psychological Networks Amsterdam Winter School. *University of Amsterdam*. 2021, online.
Workshop on Network Psychometrics. *University of Bern*. 2021, online.

Software

Main Author & Maintainer

qgraph (`https://cran.r-project.org/package=qgraph`): Network drawing, construction and estimation and network-based data visualization.
semPlot (`https://cran.r-project.org/package=semPlot`): Path diagrams and visual analysis of various SEM packages' output.
IsingSampler (`https://cran.r-project.org/package=IsingSampler`): Sampling methods and distribution functions for the Ising model.
lisrelToR (`https://cran.r-project.org/package=lisrelToR`): Import output from LISREL into R.
graphicalVAR (`https://cran.r-project.org/package=graphicalVAR`): Estimate temporal and contemporaneous effects on N=1 longitudinal data.
mlVAR (`https://cran.r-project.org/package=mlVAR`): Multi-level vector autoregression.
bootnet (`https://cran.r-project.org/package=bootnet`): General robustness tests and plots for network models.
elasticIsing (`https://cran.r-project.org/package=elasticIsing`): Ising model estimation using elastic net regularization.
lvnet (`https://cran.r-project.org/package=lvnet`): Latent variable network modeling.
psychonetrics (`http://psychonetrics.org/`): Structural Equation modeling and confirmatory network modeling.
parSim (`https://cran.r-project.org/package=parSim`): Perform flexible simulation studies using one or multiple computer cores.

Collaborator

IsingFit (`https://cran.r-project.org/package=IsingFit`): Fitting Ising models using the eLasso method.
statcheck (`https://cran.r-project.org/package=statcheck`): Extract statistics from articles and recompute p values..
JASP (`https://jasp-stats.org/`): Graphical open-source statistical software suite.

Online References

- **sachaepskamp.com**
  - My personal website including all my presentations and course materials
- **psychonetrics.org**
  - Website of the lab I head, as well as software I maintain and develop
- **psychosystems.org**
  - Website of the Psychosystems research group in which I conducted my PhD research
- **scholar.google.com/citations?user=fQpiw-sAAAAJ**
  - My Google scholar profile
- **github.com/SachaEpskamp**
  - My GitHub profile including all latest versions of my R package

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