

# Jolanda J. Kossakowski, MSc

## Personal Information

Name	Jolanda Jacqueline Kossakowski
Date of birth	April 21st, 1988
Place of birth	Terneuzen, the Netherlands
Nationality	Dutch
Work Address	Nieuwe Achtergracht 129-B, REC-G 0.39, 1018 WT, Amsterdam, The Netherlands
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## Employment

Sept 2018 – Feb 2019	Visiting research fellow at Harvard University. Supervisor: Prof. Dr. Richard J. McNally. Topic: Estimating causal graphs for OCD.
2015 – present	PhD student at University of Amsterdam. Promotors: Prof. Dr. H. L. J. van der Maas & Dr. L. J. Waldorp. Topic: Advanced Methods for the Idiographic Network approach.

## Education

2013 – 2015	<b>MSc RM Psychology, University of Amsterdam (Cum Laude; GPA: 8.7)</b> Specialisation: Psychological Research Methods. Minor: IOPS Grant Competition Programme Internship: <i>Diving into the Depths of Emotions: The Relation Between Momentary and Day-to-Day Inertia</i> , supervisors: Prof. Dr. D. Borsboom and Dr. E. L. Hamaker. Grade: 8.5 Thesis: <i>Predicting Phase Transitions: Investigating the Quality of Mean Field Approximations in a Random Graph, Small-World Graph and a Scale-Free Graph</i> , supervisor: Dr. L. J. Waldorp. Grade: 9.0
2010 – 2013	<b>BSc Psychology, University of Amsterdam (Cum Laude; GPA: 8.4)</b> Specialisation: Psychological Research Methods. Thesis: <i>Flipping the Coin: Applying a Network Approach to Quality of Life</i> , supervisor: Prof. Dr. D. Borsboom. Grade: 9.0
2007 – 2010	<b>BSc Human Resource Management, Tilburg University</b> Minor: Social and Cultural Psychology.

## Additional Education

2017	<i>Statistical Learning</i> (University of Leiden) <i>What is Psychometrics?</i> (University of Amsterdam)
2016	<i>Dynamical Systems</i> (University of Amsterdam) <i>Optimization and Numerical Methods in Statistics</i> (KU Leuven)
2015 – present	<i>Academic English: Writing Specialization</i> (Coursera)
2014 – present	<i>Data Science Specialization</i> (Coursera)
2014	<i>Bayesian Statistics</i> (Leiden University) <i>Social and Economic Network Analysis</i> (Coursera) <i>Programming for Everybody: Python</i> (Coursera)
2010	<i>Managing Employee Agreements</i> (Victoria University of Wellington) <i>Cross-Cultural Psychology</i> (Victoria University of Wellington) <i>Social and Discourse Psychology</i> (Victoria University of Wellington)

## Teaching Experience

2018	Lecturer, developer & course coordinator “Network Models 1” (UvA psychology research master’s). Topic: <i>Advanced course on network models and statistics</i> .
2017 – present	Lecturer “Statistics 2” (UvA psychology research master’s). Topic: <i>Advanced statistics course</i> .
2017 – present	Lecturer & course coordinator “Statistics 1” (UvA psychology research master’s). Topic: <i>General statistics course</i> .
2017	Supervisor “Research Master Internship” (UvA psychology research master’s). Topic: <i>Supervision of internship project on causal networks using experimental data</i> .
2016	Lecturer “Basic R Course” (UvA psychology employees). Topic: <i>Practical course on the programming language R</i> . Lecturer “ $\LaTeX$ ” (UvA psychology research master’s). Topic: <i>one-day course on document preparation system <math>\LaTeX</math></i> . Teaching assistant “Programming Skills: R” (UvA psychology research master’s). Topic: <i>Practical course on the programming language R</i> .
2015	Teaching assistant “Methods for Research and Statistics” (UvA first-year psychobiology). Topic: <i>General statistics course</i> . Teaching assistant “Research Methods and Analysis of Scientific Research” (UvA second-year beta-gamma). Topic: <i>General statistics course</i> . Teaching assistant “Scientific and Statistical Reasoning” (UvA second-year psychology). Topic: <i>Course on introductory statistics and logical reasoning</i> .
2014 – 2015	Teaching assistant “ $\LaTeX$ ” (UvA psychology research master’s). Topic: <i>one-day course on document preparation system <math>\LaTeX</math></i> .
2014 – 2017	Teaching assistant “Network Analysis” (UvA psychology research master’s). Topic: <i>Introductory course in network science</i> .
2014 – 2015	Teaching assistant “Multivariate Analysis” (UvA psychology research master’s). Topic: <i>General statistics course</i> .
2014	Teaching assistant “Statistics for the Life Sciences” (UvA first-year beta-gamma). Topic: <i>General statistics course</i> .
2012 – 2014	Teaching assistant “SPSS” (UvA second-year psychology; first-year psychobiology). Topic: <i>Practical course on the statistical programme SPSS</i> .

## Other Academic Activities

2017 – present	Member daily board department of psychological research methods. Task: <i>organizing PMLabs and keeping track of the work environment for the temporary staff.</i>
2016 – present	Coordinator PsychoSystems Data Analysis Center, University of Amsterdam. Task: <i>connecting researchers with analysts, supervising analyses and maintaining quality of analysis reports.</i>
2015	Assistant for the qDNA tool. Task: <i>Improving R-code for analysis report.</i>
2015	Member Open Science Collaboration for the Reproducibility Project: Psychology. Task: <i>double check results from replication studies.</i>
2013 – 2015	Methodology shop consultant at the “Methodologiewinkel”, University of Amsterdam. Task: <i>advice students that request assistance in their research.</i>
2013 – 2014	Research assistant in collaboration with Drs. S. Klinkenberg, University of Amsterdam. Topic: <i>Estimating Confidence Intervals for Mixed Design ANOVAs.</i>
2012 – 2013	Research assistant in collaboration with Dr. A. Cheshin and Prof. Dr. G. A. van Kleef, University of Amsterdam. Topic: <i>Citation Impact and References on Personal Webpages.</i>
2011 – 2013	Research assistant in collaboration with Dr. A. Cheshin, University of Amsterdam. Topic: <i>Predicting the Outcome of a Baseball Pitch Based on the Pitchers’ Emotions.</i>
2011 – 2012	Research assistant in collaboration with Dr. J. M. Wicherts, University of Amsterdam. Topic: <i>False Reporting of p-values in Current and Older Articles of Authors.</i>

## Grants

2018	AUF grant (€900). Amsterdam University Fund. Purpose: <i>research visit at the McNally Lab (Boston, USA).</i>
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## Awards

2014	<b>Third Place Winner Best Poster Award</b> <b>Kossakowski, J. J.,</b> Borsboom, D., & Hamaker, E. L. (2014, October). <i>Diving into the Depths of Emotions: The Relation Between Momentary and Day-to-Day Emotional Inertia.</i> Paper presented at the 8th Research Masters’s Annual Graduate Conference, Amsterdam, The Netherlands.
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## Membership

Association for Psychological Science (APS)  
Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS)  
Netherlands Society for Statistics and Operations Research (VVS+OR)  
Psychometric Society

## **Ad Hoc Reviewing**

European Health Psychology Society  
European Journal of Psychotraumatology  
Frontiers in Psychology  
Health and Quality of Life Outcomes  
International Journal of Behavioral Medicine  
International Journal of Methods in Psychiatric Research  
Journal of Patient-Reported Outcomes  
Journal of Personality Assessment  
PLoS ONE  
Psychiatry Research  
Quality of Life Research

## **Publications**

### **Published**

- [9] **Kossakowski, J. J.**, & Cramer, A.O.J. (2019). Complexity, Chaos and Catastrophe: Modeling Psychopathology as a Dynamic System. *In Frontiers of Cognitive Psychology*. Section: Network Science in Cognitive Psychology. *In press*.
- [8] Derks, K. P., Burger, J., van Doorn, J. D., **Kossakowski, J. J.**, Atticciati, L., Beitner, J., . . . Wagenmakers, E.-J. (2018). Network models to organize a dispersed literature: The case of misunderstanding analysis of covariance. *Journal of European Psychology Students*, 9, 48-57. DOI: <http://doi.org/10.5334/jeps.458>
- [7] Hoekstra, R. H. A., **Kossakowski, J. J.**, & van der Maas, H. L. J. (2018) Psychological Perturbation Data on Attitudes Towards the Consumption of Meat. *Journal of Open Psychology Data*, 6: 3, DOI: <http://doi.org/10.5334/jopd.37>.
- [6] Rouquette, A., Pingault, J-P., Fried, E., Falissard, B., **Kossakowski, J.J.**, Orri, M., Cote, S., & Borsboom, D. (2018). Emotional and Behavioral Symptom Network Structure in Elementary School Girls and Association With Anxiety Disorders and Depression in Adolescence and Early Adulthood. *JAMA Psychiatry*, 75, 1173-1181. DOI: 10.1001/jamapsychiatry.2018.2119.
- [5] Santos Jr, H., **Kossakowski, J. J.**, Beeber, L., Schwartz, T., & Fried, E. I. (2018). Longitudinal network structure of depression symptoms and self-efficacy in low-income mothers. *PLoS ONE*, 13, e0191675. DOI: 10.1371/journal.pone.0191675.
- [4] **Kossakowski, J. J.**, Groot, P. C., Haslbeck, J. M. B., Borsboom, D., & Wichers, M. (2017). Data from 'Critical Slowing Down as a Personalized Early Warning Signal for Depression'. *Journal of Open Psychology Data*, 5: 1, DOI: <https://doi.org/10.5334/jopd.29>.
- [3] Cheshin, A., Heerdink, M. W., **Kossakowski, J. J.**, & van Kleef, G. A. (2016). Pitching Emotions: The Interpersonal Effects of Emotions in Baseball. *Frontiers in Psychology*, 7, 1-12. DOI: 10.3389/fpsyg.2016.00178.
- [2] **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, 781-792.
- [1] **Open Science Collaboration** (2015). Estimating the Reproducibility of Psychological Science. *Science*, 349 (6251). DOI: 10.1126/science.aac4716.

### **Under review**

- [4] Barbalat, G., van den Bergh, D., & **Kossakowski, J. J.** (2019). Assessing outcomes in mental health services: from individual scores to symptom networks. *Submitted to BMC Psychiatry*.
- [3] Van den Berg, J-W., Smid W., **Kossakowski, J. J.**, van Beek, D., Borsboom, D., Janssen, E., & Gijs, L. (2019). Network Analysis Applied to Dynamic Risk Factors of Adult Male Sex Offenders. *Submitted to Clinical Psychological Science*.

- [2] Waldorp, L. J., & **Kossakowski, J. J.** (2019). Mean field dynamics of stochastic cellular automata for random and small-world graphs. *Submitted to Stochastic Processes and their Applications*.
- [1] **Kossakowski, J. J.**, Gordijn, M. C. M., Harriette, R., & Waldorp, L. J. (2019). The Introduction of the Mean Field Approximation to Psychology: Combining Dynamical Systems Theory and Network Theory in Major Depressive Disorder *Submitted to Journal of Mathematical Psychology*.

## **In preparation**

- [5] Fluorney, J., **Kossakowski, J.J.**, McNally, R.J., & McLaughlin, K. A. (2019). Confirmation of a Network Structure in an Adolescent Sample. *In preparation*.
- [4] **Kossakowski, J.J.**, McNally, R. J., Waldorp, L. J., Riemann, B. C., & van der Maas, H. L. J. (2019). A Causal Graph for Obsessive-Compulsive Disorder. *In preparation*.
- [3] **Kossakowski, J. J.**, Waldorp, L. W., & van der Maas, H. L. J. (2019). Inferring Causal Networks from Experimental Data: A Comparison Between Different Methods. *In preparation*.
- [2] Robinaugh, D. J., Haslbeck, J. M., **Kossakowski, J. J.**, Millner, A. J., Fried, E. I., Waldorp, L. J., McNally, R. J., van Nes, E. H., Scheffer, M., Kendler, K. S., & Borsboom, D. (2019). Advancing the Network Theory of Mental Disorders: A Computational Model of Panic Disorder as a Complex System. *In preparation*.
- [1] Van Borkulo, C.D., Waldorp, L. J., Boschloo, L., **Kossakowski, J.J.**, Tio, P., Schoevers, R.A., & Borsboom, D. (2019). Comparing network structures on three aspects: A permutation test. *In preparation*

## **Presentations**

- [9] **Kossakowski, J. J.**, Hoekstra, R., Waldorp, L. J., & van der Maas H. L. J. (2017). *Transforming Mutations into Models: Inferring Causal Networks from Experimental Data*. Presentation for the 82<sup>nd</sup> International Meeting of the Psychometric Society (IMPS), Zurich, Switzerland, July 2017.
- [8] **Kossakowski, J. J.**, Hoekstra, R., Waldorp, L. J., & van der Maas H. L. J. (2017). *Transforming Mutations into Models: Inferring Causal Networks from Experimental Data*. Presentation for the 29<sup>th</sup> Association of Psychological Science Convention (APS), Boston, USA, May 2017.
- [7] **Kossakowski, J. J.**, Gordijn, M. C. M., Riese, H. & Waldorp, L. J. (2017). *Safe or susceptible? Assessing risk for the development of critical transitions in psychopathology* . Presentation for the 29<sup>th</sup> Association of Psychological Science Convention (APS), Boston, USA, May 2017.
- [6] **Kossakowski, J. J.**, & Waldorp, L. J. (2016). *Mean Field Dynamics of Graphs*. Presentation for the Conference on Complex Systems (CCS), Amsterdam, the Netherlands, September 2016.
- [5] **Kossakowski, J. J.**, & Waldorp, L. J. (2016). *To Be Or Not To Be (Depressed)? Assessing the Risk for the Development of Depression*. Poster for the 28<sup>th</sup> Association of Psychological Science Convention (APS), Chicago, USA, May 2016.
- [4] **Kossakowski, J. J.**, & Waldorp, L. J. (2016). *To Be Or Not To Be (Depressed)? Assessing the Risk for the Development of Depression*. Presentation for the Society of Dutch Developmental Psychology (VNOP), Wageningen, the Netherlands, May 2016.
- [3] **Kossakowski, J. J.**, & Waldorp, L. J. (2015). *The Transition Awakens. Investigating the Detection Quality of the Mean Field Approximation in a Random Graph and Small-World Graph*. Poster for the 25th Annual IOPS Winter Conference, Leiden, the Netherlands, December 2015.

- [2] **Kossakowski, J. J.**, Epskamp, S, Kieffer, J. M., van Borkulo, C. D., Rhemtulla, M & Borsboom, D. (2015). *Is this the Real (Quality of) Life? A Comparison of Health-Related Quality of Life Networks in Healthy Adults and Cancer Patients*. Poster for the 25th Annual IOPS Winter Conference, Leiden, the Netherlands, December 2015.
- [1] **Kossakowski, J. J.**, Borsboom, D., & Hamaker, E. L. (2014). *I am Blue All Day = I Am Blue Tomorrow? Simulating the Correlation Between Momentary and Day-to-Day Inertia*. Poster for the ninth Research Masters's Annual Graduate Conference, Amsterdam, the Netherlands, October 2014. **Awarded third place winner of best poster award.**