

# **Curriculum Vitae**

## **Personal Information**

Name: Joran Jongerling  
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## **Core Competencies and Research Interests**

Teaching, Multilevel Modelling, Bayesian Analysis, Experience Sampling, (Vector) Autoregressive Models, Dynamical Models, Inter-Individual differences in Intra-Individual Variability, SEM, Measurement, Time Series.

## **Education**

- Utrecht University, PhD in Methodology and Statistics (09/12/2016).
- Utrecht University, Research Master 'Methodology and Statistics of Behavioral and Social Sciences' (2007-2009).
  - Master diploma received on 30/06/2009.
- Utrecht University, Psychology (specialization Neuropsychology) (2001-2006).
  - Master diploma received on 31/07/2006.
  - Bachelor diploma (cum laude) received on 30/09/2004.
  - Propedeuse received on 31/07/2002.
  - In possession of an NIP Psychologist Qualification.
- Erasmus University, Economics (2000-2001).
  - Propedeuse received on 31/07/2001.
- CSG Johannes Calvijn, Rotterdam - Atheneum (1994-2000).
  - Diploma obtained in Dutch, English, Mathematics A, Mathematics B, Economy I, Economy II, Chemistry and Physics.

## **Relevant Job Experience: Education**

- Tilburg University, Assistant-Professor in Methods & Statistics (1.0 fte: 01/07/2021 -Today).  
Teaching of Methods & Statistics courses in both Dutch and English to Bachelor and Master students of the Social Sciences and PhD students; development and coordination of courses; development and teaching of lectures; development and coordination of examination procedures; supervision of theses.
  - In possession of BKO certificate.
- Erasmus University, Assistant-Professor in Methods & Statistics (.8 fte: 01/04/2015 -31/06/2021).  
Teaching of Methods & Statistics courses in both Dutch and English to Bachelor and Master students of the Social Sciences and PhD students; development and coordination of courses; development and teaching of lectures; development and coordination of examination procedures; supervision of theses.
  - In possession of BKO certificate.
- Creator and teacher of the Graduate School Courses 'Multilevel Modeling I: Multilevel Regression' and 'Multilevel Modeling II: Multilevel SEM' – Erasmus University Rotterdam (18/03/2015 - Today).  
Teaching and development of lectures; development of (R-based) exercises and assignments; assisting students during computer practicals; consultation on theses and PhD research; re-developing the course into a MOOC.
- Member of the Program Committee of Education and Child Studies (01/09/2019 – Today).  
Assess and discuss the quality of education at the department of Education and Child Studies; advise program directors and (vice) dean on education-related matters; contribute to formulation and confirmation of the Education and Exam Regulations.
- Chair of the Test Committee of the Erasmus School of Social and Behavioral Sciences (ESSB) (01/09/2015 - 08/09/2017).  
Responsible for psychometric quality of tests administered in the Psychology, Education and Child Studies, Sociology, and Public Administration programs; writing the Test-protocol for the ESSB; evaluating and updating the ESSB procedures for test evaluation; research into current test evaluation methods and possible alternatives; creation of new R-based analysis suite for test evaluation; advising colleagues on test construction.
- Test Expert of the Examination Board of the Erasmus School of Social and Behavioral Sciences (ESSB) (01/09/2015 - 08/09/2017).

Advising the Examination Board on decisions regarding testing and examinations (e.g. decisions on whether to declare tests invalid or decisions on setting/changing caesura for tests); representing the Examination Board in fraud-hearing and cases at the Examination Appeals Board.

- Erasmus University, Teacher (.5 fte: 01/01/2015 - 01/04/2015).  
(During final stages of PhD)  
Teaching of Methods & Statistics courses in both Dutch and English to Bachelor and Master students of the Social Sciences and PhD students; coordination of courses; development and teaching of lectures; development and coordination of examination procedures.
- Utrecht University, Teacher (.2 fte: 01/09/2009 - 01/09/2013; .5 fte: 01/09/2013-31/12/2014).  
Teaching of Methods & Statistics courses in both Dutch and English to Bachelor and Master students of the Social Sciences; development and teaching of matching-courses for Psychology, General Social Sciences and Sociology; coordination of courses; development and teaching of (instructional) lectures; development and coordination of examination procedures.
- Teacher in the course 'Applied Bayesian Statistics' – Eötvös Loránd University (Budapest) (07/02/2014 - 07/03/2014).  
Teaching of lectures; development of assignments; assisting students during computer practicals; consultation on theses; grading of final assignments.

### **Relevant Job Experience: Research**

- Tilburg University, Assistant-Professor in Methods & Statistics (1.0 fte: 01/07/2021 -Today).  
Doing research in the field of experience sampling and dynamic models, with a specific focus on Bayesian statistics and multilevel time-series modelling; programming analysis methods for (new elaborations of) statistical models; study and evaluation of analysis methods; providing statistical and methodological advice and co-authoring applied research of (international) colleagues; evaluation of test quality; reporting in scientific journals; providing statistical consultation to students, PhD's, and fellow researchers.
- Erasmus University, Assistant-Professor in Methods & Statistics (.8 fte: 01/04/2015 -31/06/2021).  
Doing research in the field of experience sampling and dynamic models, with a specific focus on Bayesian statistics and multilevel time-series modelling; programming analysis methods for (new elaborations of) statistical models; study and evaluation of analysis methods; providing statistical and methodological advice and co-authoring applied research of

(international) colleagues; evaluation of test quality; reporting in scientific journals; providing statistical consultation to students, PhD's, and fellow researchers.

- Utrecht University, PhD-student (.8 fte: 01/09/2009 - 01/09/2013; .5 fte: 01/09/2013- 31/12/2014).  
Doing research in the field of experience sampling and dynamic models, with a specific focus on Bayesian Statistics and multilevel time-series modelling; programming analysis methods for (new elaborations of) statistical models; study and evaluation of analysis methods; reporting in scientific journals; providing statistical consultation to students, PhD's, and fellow researchers.

### Dissertation

- There and Back: Modeling Inter-Individual Differences in Intra-Individual Variability (Successfully defended on 09-12-2016). Utrecht University, Utrecht, the Netherlands. <http://dspace.library.uu.nl/handle/1874/341389>  
Promotor: Prof. dr. H. Hoijtink.  
Co-Promotor: dr. E.L. Hamaker.

### (Co-)Supervised PhD-Projects

- Co-promoter of PhD-project "Safe Passage for Attachment Systems: Can Attachment Security at International Schools Be Measured, and is it at Risk?" (Ongoing). Erasmus University Rotterdam, Rotterdam, the Netherlands.  
PhD: Doug Ota.  
Promoter: Prof. dr. M.H. van IJzendoorn.

### Publications

- Luijten, C.C., van de Bongardt, D., Jongerling, J., & Nieboer, A.P. (accepted 2021). Longitudinal associations among adolescents' internalizing problems, well-being, and the quality of their relationships with their mothers, fathers, and close friends. *Social Science and Medicine*.
- Jongerling, J., Epskamp, S. & Williams, D.R. (accepted 2021). Bayesian Uncertainty Estimation for Gaussian Graphical Models and Centrality Indices. *Multivariate Behavioral Research*.
- De Maat, D., Schuurmans, I.K., Jongerling, J., Metcalf, S.A., Lucassen, N., Franken, I.H.A., Prinzie, P., and Jansen, P.W. (accepted 2021). Early life stress and behavior problems in early childhood: Investigating the contributions of child temperament and executive functions to resilience. *Child Development*.  
<https://doi.org/10.1111/cdev.13663>
- Doelman, E., Luijk, M., Haen Marshall, I., Jongerling, J., Enzmann, D., and Steketee, M. (2021). The association between child maltreatment and juvenile delinquency

in the context of Situational Action Theory. *European Journal of Criminology*.  
<https://doi.org/10.1177/14773708211013300>

- Boot, A.B., Eerland, A., Jongerling, J., Verkoeijen, P.J.L., and Zwaan, R.A. (2021). Gathering, processing, and interpreting information about COVID-19. *Scientific Reports*, 11. <https://doi.org/10.1038/s41598-021-86088-3>
- Hofhuis, J., Jongerling, J., van der Zee, K.I., & Jansz, J. (2020). Validation of the Multicultural Personality Questionnaire - Short Form (MPQ-SF) for use in the context of international education. *PLOS ONE*, 15(12).  
<https://doi.org/10.1371/journal.pone.0244425>
- Nederhand, M. L., Tabbers, H. K., Jongerling, J., & Rikers, R. M. J. P. (2020). Reflection on exam grades to improve calibration of secondary school students: A longitudinal study. *Metacognition & Learning*, 15(1). 291–317.  
<https://doi.org/10.1007/s11409-020-09233-9>
- Lauteslager, P. E. M., Volman, M. J. M., Lauteslager, T., van den Heuvel, M., Jongerling, J., & Klugkist, I. G. (2020). Basic motor skills of children with down syndrome: creating a motor growth curve. *Pediatric Physical Therapy*, 32(4), 375–380. <https://doi.org/10.1097/PEP.0000000000000743>
- Shagiwal, S. S., Groenestein, E., Schop-Etman, A., Jongerling, J., Waal, J., Noordzij, G., & Denktas, S. (2020). Effectiveness of behavioral interventions and behavior change techniques for reducing soft drink intake in disadvantaged adolescents: a systematic review and meta-analysis. *Obesity Science & Practice*, 6(4).  
<https://doi.org/10.1002/osp4.452>
- van der Hallen, R., Jongerling, J., & Godor, B.P. (2020). Coping and resilience in adults: A cross-sectional network analysis. *Anxiety, Stress, & Coping*, 33(6). 479–496. <https://doi.org/10.1080/10615806.2020.1772969>
- Mamede, A., Noordzij, G., Jongerling, J., Snijders, M., Schop-Etman, A. & Denktas, S. (2020). MoveMore: Combining web-based gamification and physical nudges to promote walking breaks and reduce sedentary behaviour of office workers. A field study. *Journal of Medical Internet Research*.  
<https://doi.org/10.2196/19875>
- Verveer, I., Remmerswaal, D., Jongerling, J., van Veen, F. & Franken, I. (2020). No effects of repetitive tDCS on daily smoking behaviour in light smokers: A placebo controlled EMA study. *PLOS ONE*, 15(5).  
<https://doi.org/10.1371/journal.pone.0233414>
- Bouwmeester, S., & Jongerling, J. (2020). Power of a randomization test in a single case multiple baseline AB design. *PLOS ONE*, 15(2).  
<https://doi.org/10.1371/journal.pone.0228355>
- Krijnen, E., van Steensel, R., Meeuwisse, M., Jongerling, J., & Severiens, S. (2020). Exploring a refined model of home literacy activities and associations with

children's emergent literacy skills. *Reading and Writing*, 33, 207–238.  
<https://doi.org/10.1007/s11145-019-09957-4>

- Remmerswaal, D., Jongerling, J., Jansen, P.J., Eielts, C., Franken, I.H.A. (2019). Impaired self-control in alcohol use: an Ecological Momentary Assessment study. *Drug & Alcohol Dependence*, 204.  
<https://doi.org/10.1016/j.drugalcdep.2019.04.043>
- Van Reemst, L. & Jongerling, J. (2019). Measuring and Modelling Exposure to external workplace aggression in emergency responders. *Journal of Interpersonal Violence*. <https://doi.org/10.1177/0886260519847780>
- van der Horst, F.C.P, Jongerling, J., Prinzie, P. & Kok, R. (2018, May 25). *Kijk bij slachtoffers van huiselijk geweld niet alleen naar hun zelfredzaamheid*. Sociale Vraagstukken. <https://www.socialevraagstukken.nl/kijk-bij-slachtoffers-van-huiselijk-geweld-niet-alleen-naar-hun-zelfredzaamheid/>
- Kok, R., van Wensen, K., Jongerling, J., & van der Horst, F.C.P. (2018), *Slachtoffers van partnergeweld: van veerkrachtig tot complex*. Rotterdam: Erasmus Universiteit Rotterdam, zie: [https://www.arosa-zhz.nl/upload/docs/Rapport Doelgroeponderzoek Arosa definitief.pdf](https://www.arosa-zhz.nl/upload/docs/Rapport_Doelgroeponderzoek_Arosa_definitief.pdf)
- De Haan, A., Prinzie, P., Sentse, M., Jongerling, J. (2018). Latent Difference Score modeling: A flexible approach for studying informant discrepancies. *Psychological Assessment*, 30(3), 358–369. <https://doi.org/10.1037/pas0000480>
- Lucassen, N, Tharner, A, Prinzie, P. J., Verhulst, F. C., Jongerling, J, Bakermans-Kranenburg, M. J., van IJzendoorn, M.H., & Tiemeier, H. W. (2018). Paternal history of depression or anxiety disorder and infant–father attachment. *Infant and Child Development*, 27(2), 1–11. <https://doi.org/10.1002/icd.2070>
- Jongerling, J. & Hoijsink, H. (2017). Explained variance and Intra-Class Correlation in a two level AR(1) model. *Multivariate Behavioral Research*, 52, 403-415.  
<https://doi.org/10.1080/00273171.2017.1299616>
- Jongerling, J., Laurenceau, J. P., & Hamaker E.L. (2015). A multilevel AR(1) model: Allowing for inter-individual differences in trait-scores, inertia, and innovation variance. *Multivariate Behavioral Research*, 50, 334-349.  
<https://doi.org/10.1080/00273171.2014.1003772>
- Kromhout, M. A., Jongerling, J., Achterberg W. P. (2014). Relation between caffeine and behavioral symptoms in elderly patients with dementia: An observational study. *The Journal of Nutrition, Health & Aging*, 18(4), 407-410.  
<https://doi.org/10.1007/s12603-013-0417-9>
- Jongerling, J. & Hamaker, E. L. (2011). On the trajectories of the Predetermined ALT Model: What are we really modeling? *Structural Equation Modeling: A Multidisciplinary Journal*, 18, 370-382.  
<https://doi.org/10.1080/10705511.2011.582004>

- Brussé, I., Duvekot, J., Jongerling, J., Steegers, E., De Koning, I. (2008). Impaired maternal cognitive functioning after pregnancies complicated by severe pre-eclampsia: a pilot case-control study. *Acta Obstetrica et Gynecologica Scandinavica*, 87, 408-412. <https://doi.org/10.1080/00016340801915127>

### Currently Submitted Articles

- Chuck, H.Y., Koopman-Verhoeff, M.E., de Haan, A.D., Jongerling, J., Luik, A.I., Kok, R., Lucassen, N., and Luijk, M.P.C.M. (submitted 2021). Maternal Sensitivity and Children's Sleep Problems Across Early Childhood. *Maternal Sensitivity and Children's Sleep Problems*.
- Kok, R., Jongerling, J., & van der Horst, F. (submitted 2021). Abused, repressed, and exploited: a clustering of victims of intimate partner violence, and associations with psychopathology and contextual factors. *Journal of Interpersonal Violence*.
- Keizer, R., van Steensel, R., Jongerling, J., Stam, T., Godor, B., & Lucassen, N. (submitted 2021). Collaborative Learning Intervention associated with Increases in Home-Based School Involvement for Families in Deprived Neighborhoods. *Educational Studies*.
- Sergiou, C., Rassin, E., Jongerling, J., Holl, J., Franken, I.H.A., & van Dongen, J. (submitted 2021). Risky, Impulsive and Self-Destructive Behavior Questionnaire (RISQ): validating the Dutch Translation and the association with psychopathic traits. *Journal of Psychopathology and Behavioral Assessment*.
- Weeland, J., Leijten, P., Orobio de Castro, B., Menting, A., Overbeek, G., Raaijmakers, M., Jongerling, J., & Matthys, W. (submitted 2020). Identifying Parenting Profiles to Understand Who Benefits from Behavioral Parenting Programs. *Prevention Science*.
- de Meijer, L., Born, M. Ph., Jongerling, J., & van der Molen, H. T. (submitted, 2020). Door de ogen van de beoordelaar: Onderzoek naar similar-to-me-effecten op scores van cultureel diverse kandidaten op het AC. *Gedrag en Organisatie*.
- Krijnen, E., Van Steensel, R., Meeuwisse, M., Jongerling, J., Severiens, S (submitted 2020). Do parental beliefs moderate program effects on kindergartners' emergent literacy development. *The Elementary School Journal*.
- Weeland, J., Leijten, P., Orobio de Castro, B., Menting, A., Overbeek, G., Raaijmakers, M., Jongerling, J., and Matthys, W. (submitted 2020). Identifying parenting profiles to understand who benefits from behavioral parenting programs. *Prevention Science*.
- Kok, R., Luijk, M. P. C. M., Lucassen, N., Prinzie, P., Jongerling, J., van Ijzendoorn, M. H., Tiemeier, H., & Bakermans-Kranenburg, M. J. (submitted 2020). The role of

supportive parenting and stress reactivity in the development of self-regulation in early childhood. *Infant Behavior and Development*.

- Van Reemst, L. & Jongerling, J. (submitted 2019). Exposure to aggression in three contexts of emergency response: A longitudinal examination of the relationship with psychological characteristics of the emergency responder. *European Journal of Work and Organizational Psychology*.

### Funding Applications

- SURF Stimuleringsregeling Open en Online Onderwijs (2020).
  - Main applicant: UVA (drs. S. Klinkenberg, dr. N. Smits).
  - Collaborators: EUR(Prof. dr. L.A. Arends, dr. M. Polak, *dr. J. Jongerling*), VU (dr. M.H.M. de Moor), UU (dr. K.T. Namesnik-Silvester).
  - Title: *SHARESTATS – Statistiekopgaven open delen met een vakcommunity van docenten*.
  - Assessment: N/A.
  - Obtained: Yes.
- NWO Corona: Fast-Track Data (2020).
  - Main applicant: Prof. dr. R.A. Zwaan
  - Collaborators: dr. P.P.J.L. Verkoeijen, *dr. J. Jongerling*, dr. A. Zwaan-Eerland, A. Boot.
  - Title: *Acquiring, comprehending, and using information related to COVID-19*.
  - Assessment: N/A.
  - Obtained: Yes.
- NWO Open Competition (2019).
  - Main applicant: Prof. dr. P.J. Prinzie
  - Collaborators: Prof. dr. I.H.A. Franken, , dr. D. van de Bongardt, *dr. J. Jongerling*.
  - Title: *Development of early adolescent risk behavior: Measuring and understanding sociometric homophily in peer networks*.
  - Assessment: Very Good.
  - Obtained: No.
- VENI (2018 & 2019)
  - Main applicant: *dr. J. Jongerling*
  - Title: *Bayesian Time-Varying Vector Autoregressive Models: Modeling change in severity and qualitative experience of behavioral constructs*.
  - Assessment: UF, A (2018); Not selected for full proposal phase (2019).
  - Obtained: No.



### Most Recent Presentations at Conferences and Seminars

- Presentation 'Gaussian Graphical Model estimation using Bayesian Methods' at the 83<sup>rd</sup> International Meeting of the Psychometric Society, New York (09/07/2018 – 13/07/2018).
- Invited speaker: Presentation 'Bayesian Multilevel Analysis of Squirrel Activity Levels' at the 52<sup>nd</sup> Conference of the Animal Behavior Society, Anchorage (10/06/2015 – 14/06/2015).
- Poster Presentation 'How to Study Individual Differences in Trait-Scores, Carry-Over, and Sensitivity and Exposure' at the 122<sup>nd</sup> Annual Convention of the Psychological Association, Washington DC (07/08/2014 – 10/08/2014).
- Poster Presentation 'Detecting Random Variance in a Two-Level First-Order Autoregressive Model' at the 29<sup>th</sup> IOPS Summer Conference, Tilburg, University of Tilburg (26/06/2014 – 27/06/2014).
- Presentation 'The Multilevel First Order Autoregressive Model: Model Selection and Testing for Random Variance' at the 78<sup>th</sup> International Meeting of the Psychometric Society, Arnhem (22/07/2013 – 26/07/2013).

### Most Recently Attended Conferences, Courses and Seminars

- Peer Relaties Onderzoekers (PRO) meeting, Tilburg, Tilburg University (31/01/2020).
- The 29<sup>th</sup> IOPS Winter Conference, Leiden, Leiden University (12/12/2019 – 13/12/2019).
- The 83<sup>rd</sup> International Meeting of the Psychometric Society, New York, Columbia University (09/07/2018 – 13/07/2018).
- The 33<sup>rd</sup> IOPS Summer Conference, Amsterdam, University of Amsterdam (14/06/2018 – 15/06/2018).
- The 52<sup>nd</sup> Conference of the Animal Behavior Society, Anchorage, University of Alaska (10/06/2015 – 14/06/2015).
- The 122<sup>nd</sup> Annual Convention of the Psychological Association, Washington DC (07/08/2014 – 10/08/2014).
- The 29<sup>th</sup> IOPS Summer Conference, Tilburg, University of Tilburg (26/06/2014 – 27/06/2014).

### **Other relevant experiences**

- Co-Organizer of the Peer Relaties Onderzoekers (PRO) meeting, Rotterdam, Erasmus University (22/01/2021).
- Trainer in project “De Transformatieve School” (20/09/2016 – 01/07/2018).  
Observing teachers during classes in Higher Vocational Education, with a focus on how to effectively deal with behaviors that results because of a mismatch between street-culture and school-culture. Evaluating classes with the teacher and providing feedback, tips, and guidance.
- Member of the Advisory Board of the Erasmus Data Center (2016 – Today).