

Caspar J. van Lissa, PhD

Veni-funded developmental data scientist, Open Science faculty ambassador, statistical consulting editor. Usocia Teacher of the Year 2021. Using machine learning to predict teenagers' emotional problems.

This is an automatic summary of my interactive online resume at
<https://cjvanlissa.github.io/resume>

Last updated: 2021-05-22

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Experience

| Employer | Department | Position | Begin | End |
|-------------------------------|--|------------------------------|----------|-----------|
| Utrecht University | Methodology & Statistics | Assistant professor | May 2017 | permanent |
| Erasmus University, Rotterdam | Family Sociology | Post-doctoral researcher | Sep 2015 | Okt 2017 |
| Utrecht University | Research Centre Adolescent Development | PhD candidate | Sep 2011 | Sep 2015 |
| VU University, Amsterdam | Psychology and Education Science | Tutor | Sep 2010 | Feb 2011 |
| VU University, Amsterdam | Social Psychology | Bachelor's thesis supervisor | Feb 2009 | Jul 2009 |
| VU University, Amsterdam | Psychology and Education Science | Tutor | Oct 2008 | May 2009 |
| VU University, Amsterdam | Communication science | Research assistant | Jul 2008 | Aug 2008 |
| Utrecht University | Centre for Biostatistics | Tutor | Nov 2006 | Jan 2007 |

Education

| Institute | Field | Degree | Date |
|----------------------------|--|---------------|---------------------|
| Utrecht University | Research Centre Adolescent Development | PhD | Jan 2011 - Feb 2016 |
| VU University, Amsterdam | Social Psychology | MSc cum laude | Sep 2007 - Aug 2010 |
| University College Utrecht | Liberal arts & sciences | BA | Sep 2004 - Jun 2007 |

Publications

According to [Google Scholar](#), my work has been cited 995 times (G-index: 31, H-index: 16, i10-index: 20).

| Authors | Year | Title | Publication | Cited |
|--|------|--|--|-------|
| Jin, S., et al. | 2021 | Intergenerational conflicts of interest and prosocial behavior during the COVID-19 pandemic | Personality and Individual Differences | 4 |
| Romano, A., et al. | 2021 | Cooperation and trust across societies during the COVID-19 pandemic | Journal of Cross-Cultural Psychology | 2 |
| Roberts, H., Van Lissa, C., & Helbich, M. | 2021 | Perceived neighbourhood characteristics and depressive symptoms: Potential mediators and the moderating role of employment status | Social Science & Medicine | 1 |
| Van der Storm, L., Van Lissa, C. J., Lucassen, N., Helmerhorst, K. O. W., & Keizer, R. | 2021 | Maternal and Paternal Parenting and Child Prosocial Behavior: A Meta-Analysis Using a Structural Equation Modeling Design | Marriage & Family Review | 0 |
| Van Lissa, C. J. | 2021 | Mapping Phenomena Relevant to Adolescent Emotion Regulation: A Text-Mining Systematic Review | Adolescent Research Review | 0 |
| Nisa, C. F., et al. | 2021 | Lives versus Livelihoods? Perceived economic risk has a stronger association with support for COVID-19 preventive measures than perceived health risk | Scientific reports | 0 |
| Du, E., et al. | 2020 | Global patterns of terrestrial nitrogen and phosphorus limitation | Nature Geoscience | 68 |
| Keizer, R., Van Lissa, C. J., Tiemeier, H., & Lucassen, N. | 2020 | The influence of fathers and mothers equally sharing childcare responsibilities on children's cognitive development from early childhood to school ag. . . | European Sociological Review | 12 |
| Du, E., et al. | 2020 | Global patterns of terrestrial nitrogen and phosphorus limitation, Nat. Geosci., 13, 221–226 | | 11 |
| Van Lissa, C. J., et al. | 2020 | WORCS: A Workflow for Open Reproducible Code in Science | Data Science | 7 |
| Hallquist, M., Wiley, J., & Van Lissa, C. | 2020 | Package 'MplusAutomation' | CRAN | 6 |
| Van Lissa, C. J. | 2020 | Small sample meta-analyses: Exploring heterogeneity using MetaForest | Small Sample Size Solutions (Open Access): A Guide for Applied Researchers . . . | 5 |

(continued)

| Authors | Year | Title | Publication | Cited |
|---|------|--|------------------------------------|-------|
| Van Lissa, C. J., & Keizer, R. | 2020 | Mothers' and fathers' quantitative and qualitative parenting in relation to children's emotional adjustment: A between-and within-family investigatio... | Developmental Psychology | 3 |
| Vrolijk, P., Van Lissa, C. J., Branje, S. J. T., Meeus, W. H. J., & Keizer, R. | 2020 | Longitudinal Linkages Between Father and Mother Autonomy Support and Adolescent Problem Behaviors: Between-Family Differences and Within-Family Effec... | Journal of youth and adolescence | 2 |
| Van Lissa, C. J., et al. | 2020 | Teacher's Corner: Evaluating Informative Hypotheses Using the Bayes Factor in Structural Equation Models | Structural Equation Modeling | 2 |
| Van Lissa, C. J., et al. | 2020 | Early Indicators of COVID-19 Infection Prevention Behaviors: Machine Learning Identifies Personal and Country-Level Factors | PsyArXiv | 1 |
| Heck, D. W., et al. | 2020 | A Review of Applications of the Bayes Factor in Psychological Research | PsyArXiv | 1 |
| Mastrotheodoros, S., Van Lissa, C. J., Van der Graaff, J., Dekovic, M., et al. | 2020 | Day-to-day spillover and long-term transmission of interparental conflict to adolescent-mother conflict: The role of mood. | Journal of Family Psychology | 1 |
| van Mulukom, V., Muzzulini, B., Rutjens, B. T., Van Lissa, C. J., & Farias, M. | 2020 | The Psychological Impact of Lockdown During the COVID-19 Pandemic: Exacerbating Factors and Mitigating Actions | PsyArxiv | 1 |
| van Mulukom, V., Muzzulini, B., Rutjens, B. T., Van Lissa, C. J., & Farias, M. | 2020 | The Psychological Impact of Threat & Lockdown During the COVID-19 Pandemic | | 0 |
| Nisa, C., et al. | 2020 | Appealing to economic (vs. health) risk may be more effective to fight COVID-19: A multilevel analysis in 24 countries | PsyArXiv Preprints | 0 |
| Terrer, C., et al. | 2019 | Nitrogen and phosphorus constrain the CO ₂ fertilization of global plant biomass | Nature Climate Change | 79 |
| Curry, O. S., Chesters, M. J., Van Lissa, C. J. | 2019 | Mapping morality with a compass: Testing the theory of 'morality-as-cooperation' with a new questionnaire | Journal of Research in Personality | 73 |
| Hawk, S. T., van den Eijnden, R. J. J. M., Van Lissa, C. J., ter Bogt, T. F. M. | 2019 | Narcissistic adolescents' attention-seeking following social rejection: Links with social media disclosure, problematic social media use, and smartph... | Computers in Human Behavior | 57 |
| Hoijtink, H., Mulder, J., Van Lissa, C., & Gu, X. | 2019 | A tutorial on testing hypotheses using the Bayes factor. | Psychological Methods | 50 |
| Van Lissa, C. J., Keizer, R., Van Lier, P. A. C., Meeus, W. H. J., & Branje, S. | 2019 | The role of fathers' versus mothers' parenting in emotion-regulation development from mid-late adolescence: Disentangling between-family differences ... | Developmental psychology | 45 |

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| Authors | Year | Title | Publication | Cited |
|--|------|---|--|-------|
| Bonapersona, V., et al. | 2019 | The behavioral phenotype of early life adversity: a 3-level meta-analysis of rodent studies | Neuroscience & Biobehavioral Reviews | 31 |
| Roberts, H., Van Lissa, C., Hagedoorn, P., Kellar, I., & Helbich, M. | 2019 | The effect of short-term exposure to the natural environment on depressive mood: A systematic review and meta-analysis | Environmental research | 16 |
| Gu, X., Hoijsink, H., Mulder, J., Van Lissa, C. J. | 2019 | bain: Bayes factors for informative hypotheses | R-Package available from https://CRAN.R-project.org/package=bain | 12 |
| Mulder, J., et al. | 2019 | BFpack: Flexible bayes factor testing of scientific theories in R | arXiv preprint arXiv: | 5 |
| Endedijk, H. M., Breeman, L., Van Lissa, C., Den Boer, L., & Mainhard, T. | 2019 | Lesgeven in passend onderwijs: Hoe leerkracht-leerling relaties de sociale positie van leerlingen in de klas mee bepalen | Lesgeven in passend onderwijs: Hoe leerkracht-leerling relaties de sociale ... | 0 |
| Curry, O. S., et al. | 2018 | Happy to help? A systematic review and meta-analysis of the effects of performing acts of kindness on the well-being of the actor | Journal of Experimental Social Psychology | 128 |
| Rosenberg, J. M., Beymer, P. N., Anderson, D. J., Van Lissa, C. J., Schmidt, J. A. | 2018 | tidyLPA: An R Package to Easily Carry Out Latent Profile Analysis (LPA) Using Open-Source or Commercial Software. | J. Open Source Software | 74 |
| Van Lissa, C. J., Caracciolo, M., van Duuren, T., & van Leuven, B. | 2018 | Difficult Empathy-The Effect of Narrative Perspective on Readers' Engagement with a First-Person Narrator | Diegesis | 58 |
| Sivan, J., Curry, O. S., Van Lissa, C. J. | 2018 | Excavating the foundations: cognitive adaptations for multiple moral domains | Evolutionary Psychological Science | 2 |
| Van Lissa, C. J., Hawk, S. T., Meeus, W. H. J. | 2017 | The effects of affective and cognitive empathy on adolescents' behavior and outcomes in conflicts with mothers | Journal of Experimental Child Psychology | 35 |
| Van Lissa, C. J., Hawk, S. T., Koot, H. M., Branje, S., Meeus, W. H. J. | 2017 | The cost of empathy: Parent-adolescent conflict predicts emotion dysregulation for highly empathic youth. | Developmental psychology | 22 |
| Van Lissa, C. J. | 2017 | MetaForest: Exploring heterogeneity in meta-analysis using random forests | PsyArXiv | 19 |
| Van Lissa, C. J. | 2017 | Package 'metaforest' | CRAN | 2 |
| Van Lissa, C. J., Hawk, S. T., Branje, S., Koot, H. M., Meeus, W. H. J. | 2016 | Common and unique associations of adolescents' affective and cognitive empathy development with conflict behavior towards parents | Journal of Adolescence | 48 |
| Van Lissa, C. J., et al. | 2016 | De ontwikkelingsvolgorde van emotionele en cognitieve empathie bij adolescenten, en de rol van moeders | Kind en adolescent | 1 |

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| Authors | Year | Title | Publication | Cited |
|--------------------------|------|--|----------------------------------|-------|
| Van Lissa, C. J., et al. | 2015 | Divergence between adolescent and parental perceptions of conflict in relationship to adolescent empathy development | Journal of Youth and Adolescence | 44 |
| Van Lissa, C. J., et al. | 2014 | The longitudinal interplay of affective and cognitive empathy within and between adolescents and mothers. | Developmental Psychology | 67 |

Software

| Authors | Title | Downloads | Outlet |
|---|-----------------|-------------------|--------|
| Hallquist, M., Wiley, J., Van Lissa, C. J. | MplusAutomation | 118727 downloads. | CRAN |
| Rosenberg, J. M., Van Lissa, C. J., Schmidt, J. A., Beymer, P. N., Anderson, D. | tidyLPA | 30621 downloads. | CRAN |
| Gu, X., Hooijink, H., Mulder, J., Van Lissa, C. J. | bain | 26911 downloads. | CRAN |
| Mulder, J., Van Lissa, C. J., et al. | BFpack | 22018 downloads. | CRAN |
| Van Lissa, C. J. | metaforest | 17507 downloads. | CRAN |
| Van Lissa, C. J. | tidySEM | 7780 downloads. | CRAN |
| Van Lissa, C. J., Altinisik, Y., Kuiper, R. M. | gorica | 7773 downloads. | CRAN |
| Van Lissa, C. J., Brandmaier, A. M., & Peikert, A. | worcs | 5717 downloads. | CRAN |

Managerial activities

| Activity | Start | End | Category |
|--|--------|---------|---------------------------|
| U(H)D Council representative FSS | Dec-20 | present | Organizational body |
| Faculty Open Science Team | Oct-20 | present | Organizational body |
| Team coordinator at Data scientists Against Corona | Mar-20 | present | Volunteer organization |
| Faculty Ambassafor Open Science Community Utrecht | Jan-20 | present | Professional organization |
| National representative for the European Association for Research on Adolescence | Sep-18 | present | Professional organization |
| Onderwijscommissie PED/OWK | Mar-18 | Jan-20 | Education |
| Onderwijscommissie OWW-ALPO | Mar-18 | Jan-20 | Education |
| FSW-50 symposium organization | Apr-14 | Apr-14 | Organization |
| Co-organized Erasmus Intensive Program | Nov-13 | Jan-14 | Organization |
| Co-organized Erasmus Intensive Program | Dec-12 | Apr-13 | Organization |

International experience

| Institute | Country | Date | Details |
|--|---------|----------|---|
| Oxford University | UK | Nov 2017 | Research meeting Oxford Morals Project to develop of a scale for children's moral development, and plan research for kindness.org |
| University of Austin | USA | Mar 2017 | Visited Stephen Russell's SOGI: Health & Rights Lab, gave a lecture on MetaForest |
| University of Oxford | UK | Feb 2016 | Institute of Cognitive and Evolutionary Anthropology (ICEA) |
| University of New Orleans | USA | Mar 2014 | Visited Elizabeth Shirtcliff's SPIT-Lab. Gave an invited lecture on my research on empathy and adolescent-parent conflict resolution, and received a one week training on hormone assays |
| Erasmus Intensive Programme at Lund University | SE | Apr 2013 | Taught Quantitative Methods and supervised field research at the Erasmus Intensive Program on Young People's Identity Formation, which involved scholars and students from NL, LT, SE, and IT |
| Mykolas Romeris University | LT | Dec 2012 | Visited to help develop the Erasmus Intensive Program on Young People's Identity Formation, an international honors course funded by the EC Lifelong Learning Programme, which involved scholars and students from NL, LT, SE, and IT |

Invited lectures

| Institute | City | Country | Year |
|---|-----------------|---------|------|
| One Health PACT | Online | NL | 2021 |
| Universitaet Tuebingen | Tuebingen | DE | 2021 |
| Max-Planck-Institute for Human Development | Berlin | DE | 2020 |
| Open Science Community Rotterdam | Rotterdam | NL | 2020 |
| Joannes Juda Groen symposium | Amsterdam | NL | 2020 |
| Eindhoven University of Technology | Eindhoven | NL | 2020 |
| Oxford University | Oxford | UK | 2020 |
| S4: Small Sample Size Solutions (postponed) | Utrecht | NL | 2020 |
| Together we (Re)search | Utrecht | NL | 2020 |
| ERASMUS University | Rotterdam | NL | 2020 |
| Aix*Marseille University | Aix-en-Provence | FR | 2019 |
| Tilburg University | Tilburg | NL | 2019 |
| EARA | Ghent | BE | 2018 |
| Systematic Reviewing 3.0 | Utrecht | NL | 2018 |
| University of Texas at Austin | Austin | US | 2017 |
| UvA | Amsterdam | NL | 2017 |
| Human Technology Interaction, TU Eindhoven | Eindhoven | NL | 2017 |
| Centre for Child and Family Studies | Leiden | NL | 2017 |
| UNO SPIT-Lab | New Orleans | US | 2014 |
| William James Symposium | Utrecht | NL | 2012 |
| Brain & Development Lab (Eveline Crone) | Leiden | NL | 2012 |

Funding

| Amount | Funding body | Purpose | Number | Date |
|--------|--------------------------------------|------------------------|------------------|----------|
| 22000 | Utrechts Stimuleringsfonds Onderwijs | Open Science education | | Sep 2020 |
| 250000 | NWO Veni grant | Research | VI.Veni.191G.090 | Sep 2019 |
| 1500 | Child and Adolescent Studies | Symposium | | Sep 2013 |
| 1700 | FSW-50 | Symposium | | Nov 2013 |
| 500 | Kurt Lewin Institute | Joint seminar | | Aug 2013 |
| 500 | Jacobs Foundation | Travel grant | | Oct 2014 |

Collaborations

| Organization | Key collaborator |
|---|---------------------------------|
| Max Planck Institute for Human Development, Berlin, Germany | Andreas M. Brandmaier |
| PsyCorona | Pontus Leander |
| Data versus Corona | Denny Borsboom |
| Jackson Lab, Stanford University | César Terrer |
| Cooperation Databank (CODA), University of Amsterdam | Daniel Balliet |
| Oxford Morals Project & Kindness.org | Oliver Curry |
| Dept. Youth and Family, Utrecht University | Susan Branje |
| Family Sociology, Erasmus University Rotterdam | Renske Keizer |
| Educational Psychology, Chinese University of Hong Kong | Skyler Hawk |
| Obstetrics and Gynaecology, Amsterdam UMC | Marlene Werner |
| Icahn School of Medicine, Mount Sinai New York | Molly Gromatsky & Emily Edwards |

Reviewer & Editorial experience

I am Statistical Consulting Editor for [Child Development](#), and have reviewed 35 journal articles, 24 conference abstracts, and 3 grant applications.

Teaching

In 2021, I received the Teacher of the Year award from Usocia for teaching “Practicum Data-Analyse”, for which I developed a series of [YouTube tutorials](#). Since my first teaching appointment in 2006, I have taught 44 courses, to students from diverse backgrounds ranging from high-school to post-graduate (e.g., summer schools, pre-conference workshops). I have lectured in 26 courses, taught tutorials in 28, coordinated 9, and developed the material for 5 courses. I have supervised 38 Bachelor, 23 Master, and 2 PhD students.

| Course | Year | Sessions | Students | HC | WC | Coord | Org | Syll | PPT | Apps | Dev |
|--|--------|----------|---------------------|-----|-----|-------|-----|------|-----|------|-----|
| Workflow for Open Reproducible Code in Science | 20-Jul | 1 | 14 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Practicum Data Analyse | 19-Nov | 8 | +/- 80 | Yes | | | | | Yes | Yes | |
| Utalent: Help! Ik heb data (6VWO) | 19-Oct | 1 | 20 | Yes | | Yes | Yes | | Yes | | Yes |
| Workshop: version control with Github (research master's) | 19-Oct | 1 | 10? | | Yes | | | | | | Yes |
| Multivariate statistics (DASCA research master's) | 19-Sep | 9 | 14 (WC) +/- 50 (HC) | Yes | Yes | Yes | | Yes | Yes | | |
| Theory construction & stat. modeling | 19-Sep | 7 | 45 | Yes | | Yes | Yes | Yes | Yes | Yes | Yes |
| Methoden en statistiek van sociaal wetenschappelijk onderzoek (pre-master) | 19-Sep | | 312 | | | Yes | Yes | Yes | | | |
| ADS: Basis van Onderzoek en Statistiek | 19-Sep | 4 | 6 | | Yes | | | | | | |
| Advanced Course on Using Mplus | 19-Jul | 1 | +/- 30 | Yes | Yes | | | Yes | Yes | | |
| Summer school on meta-analysis, Aix*Marseille University (FA) | 19-Jun | 1 | 30 | Yes | Yes | | Yes | Yes | Yes | Yes | |
| Utalent: Hoera! Ik ga onderzoek doen (6VWO) | 19-Apr | 1 | 15 | Yes | | Yes | Yes | | Yes | | Yes |
| University College Utrecht: MET2A | 19-Apr | 10 | 14 | Yes | Yes | | | | Yes | | |
| Applied Bayesian Statistics | 19-Apr | 5 | +/- 30 | | Yes | | | | | Yes | |
| Marnixacademie: MTS1&2 | 19-Feb | 14 | 14 | Yes | Yes | | | | Yes | | |
| University College Utrecht: MET23 | 19-Jan | 20 | 14 | Yes | Yes | | | | Yes | Yes | |
| MTS3 | 18-Nov | 3 | 14 | | Yes | | | | | | |
| Practicum Data Analyse | 18-Nov | 8 | +/- 80 | Yes | | | | | Yes | Yes | |
| Pre-conference workshop, EARA Ghent (BE) | 18-Sep | 1 | ? | Yes | | | Yes | Yes | Yes | Yes | |
| Theory construction & stat. modeling | 18-Sep | 7 | 45 | Yes | | | | | Yes | Yes | |
| Advanced Course on Using Mplus | 18-Jul | 1 | +/- 30 | Yes | Yes | | | Yes | Yes | | |
| Applied Bayesian Statistics | 18-Apr | 5 | +/- 30 | | Yes | | | | | Yes | |
| Methoden, Technieken en Statistiek 2 | 18-Feb | | 93 | | | Yes | Yes | Yes | | | |
| Methoden, technieken en statistiek 4 (MTS4) | 18-Feb | 1 | 50 | Yes | | | | | Yes | | |
| University College Utrecht: MET23 | 18-Jan | 20 | 14 | Yes | Yes | | | | Yes | Yes | |
| Father involvement, Leiden University | 17-Dec | 1 | +/- 30 | Yes | | | | | Yes | | |
| MTS3 | 17-Nov | 3 | 14 | | Yes | | | | | | |
| Practicum Data Analyse | 17-Nov | 8 | +/- 80 | Yes | | | | | Yes | Yes | |
| SPSS (pre-master avondonderwijs; +/- 20 ss) | 17-Jan | 8 | +/- 20 | | Yes | | | | | | |
| Kwantitatieve Methoden (pre-master avondonderwijs) | 17-Jan | 8 | +/- 20 | Yes | | | | | Yes | Yes | |
| Quantitative Methods | 17-Jan | 8 | +/- 300 | Yes | | | | | Yes | Yes | |
| University College Utrecht | 15-Feb | 1 | 14 | Yes | | | | | Yes | | |
| Experimental seminar in development and socialisation research (DASCA06) | 15-Jan | 1 | +/- 14 | Yes | Yes | | | | Yes | | |
| Young People's identity formation | 14-Feb | 5 | +/- 20 | Yes | Yes | Yes | Yes | | Yes | | |
| Introduction to psychology | 13-Nov | 5 | 207 | Yes | | | | | Yes | | |
| Young People's identity formation | 13-Apr | 5 | +/- 20 | Yes | Yes | Yes | Yes | | Yes | | |
| Developmental psychology | 10-Nov | 6 | +/- 14 | | Yes | | | | | | |
| Meten & Diagnostiek | 10-Sep | 9 | +/- 14 | | Yes | | | | | | |
| Academic skills | 2011 | ? | +/- 14 | | Yes | | | | | | |
| Statistics II | 2011 | 8 | +/- 14 | | Yes | | | | | | |
| Academic skills | 2010 | ? | +/- 14 | | Yes | | | | | | |
| Statistics II | 2010 | 8 | +/- 14 | | Yes | | | | | | |
| Developmental psychology | 2008 | 6 | +/- 14 | | Yes | | | | | | |
| Personality psychology | 2008 | ? | +/- 14 | | Yes | | | | | | |
| Biostatistics | 2006 | +/- 8 | +/- 30 | | Yes | | | | | | |

HC: Lecture, WC: Tutorial, Coord: Coordination, Org: Organization, Syll: Made syllabus, PPT: Made presentation, Apps: Made digital aids, Dev: Conducted course development

Conference attendance

I am very active at international conferences, and have contributed to 31 conferences since my first attendance in 2012.

Media appearances

I have discussed my work in the following media outlets:

| Outlet | Type | Date | Country |
|------------------------|-----------|------------|---------|
| Science Magazine | Newspaper | 2021-04-27 | NL |
| 3voor12 | Newspaper | 2021-04-22 | NL |
| NRC | Newspaper | 2021-04-18 | NL |
| FAIRly Open After Dark | Podcast | 2021-04-13 | NL |
| ARTE | TV | 2020-05-06 | FR/DE |
| NRC | Newspaper | 2020-04-27 | NL |
| Radio 1 | Radio | 2016-04-27 | NL |
| Wall Street Journal | Newspaper | 2015-04-14 | US |
| Wall Street Journal | Newspaper | 2013-10-15 | US |