

Curriculum Vitae Rogier A. Kievit

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ACADEMIC POSITIONS

2020- Professor of Developmental Neuroscience, Donders Institute for Brain, Cognition and Behaviour, Radboud University
2020- Hypatia Fellow
2020- Senior Associate Scientist, MRC-CBSU, University of Cambridge
2018- Honorary Fellow, Max Planck UCL Centre for Computational Psychiatry and Ageing Research
2015-2020 Group Leader, MRC-CBSU, University of Cambridge
2015-2019 Sir Henry Wellcome Fellow
2017- Full Fellow of Fitzwilliam College, University of Cambridge
2016-2018 Honorary Research associate, University College London
2013-2017 Bye Fellow of Fitzwilliam College, University of Cambridge
2013-2015 Postdoctoral Investigator Scientist at the MRC-CBSU in Cambridge, UK
2008-2013 PhD student, Department of Psychological Methods, University of Amsterdam.
2007-2008 Research Assistant at the Kosslyn laboratory, Harvard University
2006 Student assistant at The University of Amsterdam.

EDUCATION

2014 PhD (viva 23d of April 2014). (Cum laude, top 5%)
2005-2007 Research M.Sc. University of Amsterdam (Cum Laude)
2002-2005 B.Sc. Psychology at University of Amsterdam

GRANTS

2021	Jacobs Foundation (co-PI)	£200,000
2020	ESRC Grant (co-PI)	£300,000
2020-2024	Hypatia Fellowship	€1,000,000
2019-2022	Medical Research Council Intramural grant (Principal Investigator) <i>'Modelling the dynamics of lifespan neurocognitive changes'</i>	£779,000
2019-2022	Economic & Social Research Council. (Co-investigator) <i>'Individual Differences in Comprehension across the Lifespan'</i>	£572,963
2017-2021	Horizon 2020: Lifebrain (Co-investigator)	€10,000,000
2019	The Brainbus (diversity and outreach grant, lead)	£1,430
2016-2018	CBU Director's strategic fund (co-PI)	£15,000
2015-2018	Medical Research Council Intramural grant (Principal Investigator) <i>"The rise and fall of executive functions"</i>	£350,000
2015-2019	Sir Henry Wellcome Fellowship (PI)	£250,000

Sponsor/named collaborator

2018-2022	Dr. Oliver Robinson (MRC SNCF)	£816,903
2019-2022	Dr. Lorna Halliday (Wellcome Senior Hearing Fellowship)	£1,551,936
2017-2018	Dr. Daniel Bor (Daphne Jackson Fellowship)	£60,588

AWARDS AND HONOURS

2019	Named life sciences 'Rising Star' by Nature Magazine	
2017	APS 'Rising Star'	
2018-	Elected full fellow of Fitzwilliam College	
2016	Awarded MRC CEO Diversity award (shared with Dr. Fionnuala Murphy)	
2015-2017	Advisory board for Curatescience.org (2015-2017)	
2013	Scopus Young Researcher of the Year Award	£1500
2013	MRC Special Award bonus for exceptional performance.	£1600
2012	Best Paper Award from IOPS Interuniversity Graduate School of Psychometrics and Sociometrics (Kievit, et al., 2011)	€600

LAB MEMBERS

Postdoctoral Fellows

2021-2024	Ethan McCormick	Funder: Hypatia fellowship
2019-2022	Amy Orben	Funder: Junior Research Fellowship, Emmanuel College
2017-2020	Delia Fuhrmann	Funder: MRC [current: Lecturer at KCL]

PhD students

2020-2024	Michael Aristodemou	Funder: Hypatia fellowship, RadboudUMC
2017-2020	Ivan Simpson-Kent	Funder: Cambridge Trust
2017-2020	Sophia Borgeest	Funder: MRC

Viva opponent (invited)

2020	Sara van Erp	Universiteit van Tilburg
2019	Marie Deserno	University of Amsterdam
2019	Clara Gorro Garcia	University of Barcelona
2018	Abe Hofman	University of Amsterdam
2017	Ylva Köhncke	Karolinska Institutet

PUBLICATIONS

google scholar profile

https://scholar.google.co.uk/citations?hl=en&user=kplx7AUAAAJ&view_op=list_works&sortby=pubdate

Preprints/under review

1. Griffiths, S. L., Kievit, R., & Norbury, C. (in revision). Mutualistic coupling of vocabulary and non-verbal reasoning in children with and without language disorder. <https://psyarxiv.com/pcr64/>
2. Byrne, E.M. Gilbert, R. A., **Kievit, R. A.** & Joni Holmes (in revision). Backward recall and n-back measures of working memory: A large-scale latent variable analysis. <https://psyarxiv.com/bkja7/>
3. **Orben, A.**, Lucas, R. E., Fuhrmann, D., & Kievit, R. (2020). Trajectories of adolescent life satisfaction. <https://psyarxiv.com/y8ruw>

4. Fjell, A., Sorensen, O., Amlien, I. K., Bartres-Faz, D., Brandmaier, A., Macia, D., ... Kievit, R. A., ... & Ebmeier, K. (2020). Self-reported sleep problems are related to cortical thinning in aging but not memory decline and amyloid- β accumulation—results from the Lifebrain consortium. *bioRxiv*. <https://www.biorxiv.org/content/10.1101/2020.04.28.065474v1.abstract>
5. Hofman, A. D., **Kievit, R. A.**, Stevenson, C. E., Molenaar, D., Visser, I., & van der Maas, H. L. J. (In revision). The dynamics of the development of mathematics skills: A comparison of theories of developing intelligence. *Developmental Science*, [Preprint](#)
6. Hooven, C. K., Wai, J., **Kievit, R. A.**, Ellison, P. T., Kosslyn, S. M., & Chabris, C. F. (in revision). The Sex Difference in Mental Rotation Test Scores May Not Reflect a Difference in Mental Rotation Ability. *Scientific Reports*. [Preprint](#)
7. Astle, D., Holmes, J., **Kievit, R.**, & Gathercole, S. E. (In revision). The transdiagnostic revolution in neurodevelopmental disorders. *JCPP*. <https://psyarxiv.com/4g3a2/>

Published/in press

2021

1. **Fuhrmann, D.**, Van Harmelen, A. L., & **Kievit, R. A.** (In press). Wellbeing and cognition are coupled during development: A preregistered longitudinal study of 1137 children and adolescents. *Clinical Psychological Science*. <https://psyarxiv.com/y2gbw>
2. Roe, J. M., Vidal-Piñeiro, D., Sørensen, Ø., Brandmaier, A. M., Düzel, S., Gonzalez, H. A., [**Kievit, R. A.**] ... & Westerhausen, R. (2021). Asymmetric thinning of the cerebral cortex across the adult lifespan is accelerated in Alzheimer's disease. *Nature communications*, 12(1), 1-11.
3. Reiter, A. M., Moutoussis, M., Vanes, L., **Kievit, R. A.**, Bullmore, E. T., Goodyer, I. M., ... & Dolan, R. J. (in press). Taste uncertainty explains developmental effects on susceptibility to peer influence in adolescence. *Nature Communications*
4. van Harmelen, A. L., Blakemore, S. J., Goodyer, I. M., & **Kievit, R. A.** (2021). The interplay between adolescent friendship quality and resilient functioning following childhood and adolescent adversity. *Adversity and resilience science*, 2(1), 37-50.
5. Nyberg, L., Magnussen, F., Lundquist, A., Baare, W., Bartrés-Faz, D., Bertram, L., ... [**Kievit, R. A.**] & Fjell, A. M. (2021). Educational attainment does not influence brain aging. *Proceedings of the National Academy of Sciences*.
6. **Kievit, R. A.** (2021). Sensitive periods in cognitive development: A mutualistic perspective. *Current Opinion in Behavioral Sciences*.
7. **Van Kesteren, E. J.**, & **Kievit, R. A.** (2021). Exploratory Factor Analysis with Structured Residuals for Brain Imaging Data. *Network Neuroscience*

2020

1. Malpetti, M., Jones, P. S., Tsvetanov, K. A., Rittman, T., van Swieten, J. C., Borroni, B., ... & **Kievit, R. A.**, & Rowe, J.* (2020). Apathy in presymptomatic genetic frontotemporal dementia predicts cognitive decline and is driven by structural brain changes. *Alzheimer's & Dementia*.
2. Rommelse, N., Luman, M., & **Kievit, R. A.** (2020). Slow processing speed: a cross-disorder phenomenon with significant clinical value, and in need of further methodological scrutiny. *European Child & Adolescent Psychiatry* volume 29, 1325–1327.
3. Ioannidis, K., Askelund, A. D., **Kievit, R. A.**, & Van Harmelen, A. L. (2020). The complex neurobiology of resilient functioning after child maltreatment. *BMC Medicine*.

4. **Fuhrmann, D., Simpson-Kent, I. L., Bathelt, J., & Kievit, R. A.** (2020). The neurocognitive architecture of fluid ability in children and adolescents. *Cerebral Cortex*.
5. Henson, R. N., Suri, S., Knights, E., Rowe, J. B., **Kievit, R. A.**, Lyall, D. M., ... & Fisher, S. E. (2020). Effect of apolipoprotein E polymorphism on cognition and brain in the Cambridge Centre for Ageing and Neuroscience cohort. *Brain and Neuroscience Advances*, 4, 2398212820961704.
6. Springer, A., Monsch, A. U., Dutilh, G., Coslovsky, M., **Kievit, R. A.**, Bonati, L. H., ... & Fischer, U. (2020). A factor score reflecting cognitive functioning in patients from the Swiss Atrial Fibrillation Cohort Study (Swiss-AF). *PloS one*, 15(10), e0240167.
7. Holmes, J., Guy, J., Bryant, A., **Kievit, R. A.**, Gathercole, S. E., & CALM Team. (2020). Cognitive dimensions of learning in children with problems in attention, learning and memory. *Journal of Educational Psychology*. Preprint: <https://psyarxiv.com/dx6aj/>
8. Sørensen, Ø., Brandmaier, A. M., Bros, D. M., Ebmeier, K., Ghisletta, P., **Kievit, R. A.**, ... & Fjell, A. (2020). Meta-Analysis of Generalized Additive Models in Neuroimaging Studies. *NeuroImage arXiv preprint arXiv:2002.02627*.
9. Borsboom, D., van der Maas, H., Dalege, J., **Kievit, R. A.**, & Haig, B. (2020). Theory Construction Methodology: A practical framework for theory formation in psychology. *Perspectives on Psychological Science*. <https://psyarxiv.com/w5tp8>
10. Vaghi, M.M., Moutoussis, M., Vasa, F., **Kievit, R. A.**, Hauser, T. U., Vertes, P., Shahar, N., Romero-Garcia, R., Kitzbichler M., Bullmore, E. T., NSPN Consortium & Dolan, R. J. (2020). Compulsivity is linked to reduced adolescent development of goal-directed control and fronto-striatal functional connectivity. *Proceedings of the National Academy of Sciences*.
11. Liu K. Y., **Kievit, R.A.**, Tsvetanov, K. A., Betts, M. J., Düzel, E., Rowe, J. B., Cam-CAN, Howard, R. & Hämmerer, D. (2020). Noradrenergic-dependent functions are associated with age-related differences in locus coeruleus signal intensity. *Nature Communications*.
12. Malpetti, M., **Kievit, R. A.**, Passamonti, L., Jones, P. S., Tsvetanov, K. A., Rittman, T., ... & Hong, Y. T. (2020). Microglial activation and tau burden predict cognitive decline in Alzheimer's Disease. *Brain*, 19011189.
13. **Kievit, R. A.**, Simpson-Kent, I. L., Fuhrmann, D. (2020). Why Your Mind Is Like a Shark: Testing the Idea of Mutualism. *Frontiers for Young Minds*. Age, 8(14), 14.
14. **Borgeest, G. S.**, Henson, R., Shafto, M., Samu, D., & **Kievit, R. A.** (2020). Greater lifestyle engagement is associated with healthy cognitive ageing. *PLoS One* <https://psyarxiv.com/6pzve/>.
15. **Simpson-Kent, I. L., Fuhrmann, D., Bathelt, J., Achterberg, J., Borgeest, G. S., Kievit, R. A., & CALM Team.** (2020). Neurocognitive reorganization between crystallized intelligence, fluid intelligence and white matter microstructure in two age-heterogeneous developmental cohorts. *Developmental Cognitive Neuroscience*, 41, 100743.
16. Davies, S. E., Neufeld, S. A., van Sprang, E., Schweren, L., **Kievit, R. A.**, Fonagy, P., ... & Target, M. (2020). Trajectories of depression symptom change during and following treatment in adolescents with unipolar major depression. *Journal of Child Psychology and Psychiatry*.
17. Peng, P., & **Kievit, R. A.** (2020). The Development of Academic Achievement and Cognitive Abilities: A Mutualistic Perspective. *Child Development Perspectives*.

18. Fjell, A. M., Sørensen, Ø., Amlie, I. K., [], **Kievit, R. A.**, [] & Walhovd, K. (2019). Self-reported sleep relates to hippocampal atrophy across the adult lifespan: Results from the Lifebrain consortium. *Sleep*
19. Schweizer, S., Leung, J. T., **Kievit, R. A.**, Speekenbrink, M., Tender, W. R., Hampshire, A., & Blakemore, S. J. (2018). Protocol for an App-Based Affective Control Training for Adolescents. <https://psyarxiv.com/46mhy/>
20. Shahar, N., Moran, R., Hauser, T. U., **Kievit, R. A.**, McNamee, D., Mouttousis, M., NSPN consortium & Dolan, R. J. (2019) Credit-assignment to state-independent task representations and its relationship with model-based decision-making. *Proceedings of the National Academy of Sciences*.
21. **Kievit, R. A.**, Hofman, A. D., & Nation, K. (2019). Mutualistic Coupling Between Vocabulary and Reasoning in Young Children: A Replication and Extension of the Study by Kievit et al. (2017). *Psychological Science*, 0956797619841265.
22. Eshaghi, A., **Kievit, R. A.**, Prados, F., Sudre, C. H., Nicholas, J., Cardoso, M. J., ... & Thompson, A. J. (2019). Applying causal models to explore the mechanism of action of simvastatin in progressive multiple sclerosis. *Proceedings of the National Academy of Sciences*, 201818978.
23. Allen, M., Poggiali, D., Whitaker, K., Marshall, T. R., & **Kievit, R. A.** (2019). Raincloud plots: a multi-platform tool for robust data visualization. *Wellcome Open Research*, 6, e27137v1.
24. Jacobucci, R., Brandmaier, A. M., & **Kievit, R. A.** (2019). A Practical Guide to Variable Selection in Structural Equation Modeling by Using Regularized Multiple-Indicators, Multiple-Causes Models. *Advances in Methods and Practices in Psychological Science*, 2(1), 55-76. [Preprint. Data and code. R package](#)
25. Fuhrmann, D., Nesbitt, D., Shafto, M., Rowe, J. B., Gadie, A., Cam-CAN & **Kievit, R.A.** (2019). Strong and specific associations between cardiovascular risk factors and white matter micro-and macrostructure in healthy aging. *Neurobiology of aging*, 74, 46-55.
26. Carpenter, J., Sherman, M. T., **Kievit, R. A.**, Seth, A. K., Lau, H., & Fleming, S. M. (2019). Domain-general enhancements of metacognitive ability through adaptive training. *Journal of Experimental Psychology: General*, 148(1), 51.
27. Liu, K. Y., Acosta-Cabronero, J., Cardenas-Blanco, A., Loane, C., Berry, A. J., Betts, M. J., **Kievit, R. A.** ... & Hämmerer, D. (2019). In vivo visualization of age-related differences in the locus coeruleus. *Neurobiology of aging*, 74, 101-111.

2018

28. De Mooij, Henson, Waldorp, Cam-CAN & **Kievit, R. A.** (2018). Age differentiation within grey matter, white matter and between memory and white matter in an adult lifespan cohort. *Journal of Neuroscience*, 1627-17. [Preprint. Data portal](#)
29. Chan, D., Shafto, M., **Kievit, R. A.**, Matthews, F., Spinks, M. M., Cam-CAN & Henson, R. (2019). Lifestyle activities in mid-life contribute to cognitive reserve in late-life, independent of education, occupation and late life activities. *Neurobiology of aging*, 70, 180-183.
30. **Kievit, R. A.**, Fuhrmann, D., Borgeest, S., Simpson-Kent, I., & Henson, R. N. A. (2018) The neural determinants of age-related changes in fluid intelligence: a pre-registered, longitudinal analysis in N=185,317 UK Biobank individuals. *Wellcome Open Research. Preregistration*
31. **Kievit, R. A.**, Brandmaier, A., Ziegler, G., van Harmelen, A. L., de Mooij, S., Mouttousis, M., ... & Lindenberger, U. (2018). Developmental cognitive neuroscience using Latent Change Score models: A tutorial and applications. *Developmental Cognitive Neuroscience. Preprint. Code*

32. Walhovd, K. B., Fjell, A. M., Westerhausen, R., Nyberg, L., Ebmeier, K. P., Lindenberger, U., **Lifebrain**, & Drevon, C. A. (2018). Healthy minds from 0–100 years: Optimising the use of European brain imaging cohorts ("Lifebrain"). *European Psychiatry*, 47, 76-87.

33. Schweizer, S., **Kievit, R. A.**, Emery, T., & Henson, R. N. (2017). Symptoms of Depression in a Large Healthy Population Cohort are related to Subjective Memory Complaints and Memory Performance in Negative Contexts. *Psychological Medicine*, 48(1):104-114. [Data portal](#)

2017

34. **Kievit, R. A.**, Lindenberger, U. Goodyer, I.M., Jones, P. B., Fonagy, P., Bullmore, E. T., the NSPN Consortium & Dolan, R. J. (2017). Mutualistic coupling between vocabulary and reasoning supports cognitive development during late adolescence and early adulthood. *Psychological Science*, 28, 10, 1419-1431. [Data and code](#).

35. van Harmelen, A. L., **Kievit, R. A.**, NSPN consortium, Jones, P. B., Bullmore, E. T., Dolan, R. J. Fonagy, P. & Ian Goodyer (2017). Adolescent friendships predict later resilient functioning across psychosocial domains in a healthy community cohort. *Psychological Medicine*, 47, 13, 2312-2322. [Data and code](#)

36. **Kievit, R. A.** (2017). More is different. *Nature Human Behaviour*, 1(8), s41562-017.

37. Gadie, Shafto, Leng, Cam-CAN & **Kievit, R. A.** (2017). Age-related differences in self-reported sleep quality predict healthy ageing across multiple domains. *BMJ Open*, 7: e014920. [Data portal](#)

2016

38. Henson, R. N. A., Campbell, K. L., Davis, S. W., Taylor, J. R., Emery, T., Erzincliglu, S. Cam-CAN, & **Kievit, R. A.** (2016). Multiple determinants of ageing memories. *Scientific Reports* 6, 32527. [Data portal](#)

39. Wolpe, N., Ingram, J., Tsvetanov, K., Geerligs, L., Kievit, R. A., Henson, R. N. A., Wolpert, D., Cam-CAN, & Rowe, J. (2016). Ageing increases the reliance on sensorimotor predictions through changes in structure and functional connectivity of the pre-supplementary motor area. *Nature Communications*. [Data portal](#)

40. **Kievit, R. A.**, Davis, S. W., Griffiths, J. D., Correia, M. M., & Henson, R. N. (2016). A watershed model of individual differences in fluid intelligence. *Neuropsychologia*. [Data portal](#)

41. Gathercole, S. E., Woolgar, F., Manly, T., Astle, D. E., **Kievit, R. A.** & Holmes, J.. Are working memory impairments a defining characteristic of children with attention, learning and memory problems? (2016). [Journal of Applied Research in Memory and Cognition](#).

42. Kan, K. J., van der Maas, H. L. J., & **Kievit, R. A.** (2016). Process Overlap Theory: Strengths, limitations, and challenges. *Psychological Inquiry*, 27:3, 220-228. [Code](#)

43. van Harmelen, A. L., **Kievit, R. A.** & Goodyer, I. M. (2016). Friendships and Family Support Reduce Subsequent Depressive Symptoms in At-Risk Adolescents. *PloS one*, 11(5), e0153715. [Data and code](#)

2015

44. Fried, E. I., & **Kievit, R. A.** (2015). The volumes of subcortical regions in depressed and healthy individuals are strikingly similar: a reinterpretation of the results by Schmaal et al. *Molecular Psychiatry*, 21, 724–725. [Preprint](#) [Data and code](#).

45. Ganis, G., & **Kievit, R. A.** (2015). A New Set of Three-Dimensional Shapes for Investigating Mental Rotation Processes: Validation Data and Stimulus Set. *Journal of Open Psychology Data*, 3(1), e3. [Data and materials](#)

2014

46. **Kievit, R. A.**, Davis, S. W., Mitchell, D. J., Taylor, J. R., Duncan, J., Cam-CAN, & Henson, R. N. A. (2014). Distinct aspects of frontal lobe structure mediate age-related differences in fluid intelligence and multitasking. *Nature Communications*, 5, 5658. [Data portal](#)

47. Charest, I., **Kievit, R. A.**, Schmitz, T. W., Deca, D., Kriegeskorte, N. (2014). Unique semantic space in the brain of each beholder predicts perceived similarity. [Proceedings of the National Academy of Sciences](#), 111 (40) 14565-14570

48. Kievit, A. J., Kuijjer, P., **Kievit, R. A.**, Sierevelt, I. N., Blankevoort, L., & Frings-Dresen, M. H. (2014). A Reliable, Valid and Responsive Questionnaire to Score the Impact of Knee Complaints on Work following Total Knee Arthroplasty: the WORQ. [The Journal of Arthroplasty](#), 29, 6, 1169-1175

2013

49. Kriegeskorte, N. & **Kievit, R. A.** (2013). Representational geometry: integrating cognition, computation, and the brain. [Trends in Cognitive Sciences](#), 17, 401-412.

50. **Kievit, R.A.**, Frankenhuys, W. & Borsboom, D. (2013). Simpson's Paradox in Psychological Science: A Practical Guide. [Frontiers in Psychology](#), 4, 513, 1-14. [Package](#)

51. Schmittmann, V. D., Cramer, A. O. J., Waldorp, L. J., Epskamp, S., **Kievit, R.A.** & Borsboom, D. (2013). Deconstructing the construct: A network perspective on psychological phenomena. [New ideas in Psychology](#), 31, 43-53.

52. Bakker, M., Cramer, A. O. J., Matzke, D., **Kievit, R.A.**, Van Der Maas, H. L. J., Wagenmakers, E. J. & Borsboom, D. (2013) Dwelling on the Past. [The European Journal of Personality](#), 27, 120-121.

2012

53. **Kievit, R.A.**, Waldorp, L.J., Kan, K.J., & Wicherts, J. M. (2012). Causality: populations, individuals, and assumptions. [The European Journal of Personality](#), 26, 400-401

54. **Kievit, R.A.**, van Rooijen, H., Wicherts, J.M., Kan, K.J., Waldorp, L.J., Scholte & Borsboom, D. (2012). Intelligence and the brain: A model-based approach. [Cognitive Neuroscience](#), 3, 89-97.

55. Wagenmakers, E. J., Wetzels, R. W., Borsboom, D., van der Maas, H. L. J. & **Kievit, R.A.** (2012). An Agenda for Purely Confirmatory Research. [Perspectives on Psychological Science](#), 7, 632-638.

56. Wicherts, J., **Kievit, R.A.**, Bakker, M. & Borsboom, D. (2012) Letting the daylight in: Reviewing the reviewers and other ways to maximize transparency in science. [Frontiers in Computational Neuroscience](#), 6, 1.

57. Kosslyn, S.M., **Kievit, R.A.**, Russell, A.G. & Shepard, J.M. (2012). PowerPoint Flaws and Failures: A Psychological Analysis. [Frontiers in Educational Psychology](#), 3, 230.

2011 and earlier

58. **Kievit, R.A.**, Romeijn, J.W., Waldorp, L.J., Wicherts, J.M., Scholte, H.S. & Borsboom, D. (2011). Modeling Mind and Matter: Reductionism and Psychological Measurement in Cognitive Neuroscience [Psychological Inquiry](#), 22, 139-157.

59. Borsboom, D., Epskamp, S., **Kievit, R.A.**, Cramer, A. O. J., & Schmittmann. (2011). Transdiagnostic Networks. [Perspectives on Psychological Science](#), 6, 610-614.

60. **Kievit, R.A.**, Romeijn, J.W., Waldorp, L.J., Wicherts, J.M., Scholte, H.S. & Borsboom, D. (2011) [Mind the gap: A psychometric approach to the reduction problem. Psychological Inquiry](#), 22, 67-87.

61. Harmelen, A. van, Elzinga, B. M., **Kievit, R.A.** & Spinhoven, P. (2011). Intrusions of autobiographical memories in individuals reporting childhood emotional maltreatment. [European Journal of Psychotraumatology](#), 2, 7336.

62. Penke, L. Johnson, W., **Kievit, R. A.**, Wicherts, J. M., Ploeger, A. & Borsboom, D. (2011) Evolutionary psychology and intelligence research cannot be integrated the way Kanazawa (2010) suggests. [American Psychologist](#), 66, 916-917.

63. Kan, K. J., **Kievit, R.A.**, Dolan, C.V., & van der Maas, H.L.J. (2011). On the interpretation of the CHC Gc factor as Crystallized Intelligence. [Intelligence](#), 39, 292-302.

64. **Kievit, R. A.** & Geurts, H. M. (2011). Autism and perception of awareness in self and others: Two sides of the same coin or dissociated abilities. *Cognitive Neuroscience*, 2, 119-120.
65. **Kievit, R.A.** (2011). Bayesians caught smuggling priors into Rotterdam Harbour. *Perspectives on Psychological Science*, 6, 313.
66. **Kievit, R.A.** (2011). Parapsychologie, nullhypothesetoetsing en peer review 2.0. *De Psycholoog*, 46, 10-16.
67. van der Maas, H. L. J., Molenaar, D., Maris, G., **Kievit, R.A.** & Borsboom, D. (2011) Cognitive psychology meets psychometric theory: On the relation between process models for decision making and latent variable models for individual differences. *Psychological Review*, 2, 339-356.
68. Ganis, G., Rosenfeld, J.P., Meixner, J., **Kievit, R.A.** & Schendan, H. (2011). Lying in the Scanner: Covert Countermeasures Disrupt Deception Detection by Functional Magnetic Resonance Imaging. *Neuroimage*, 55, 312- 319.
69. Borst, G., **Kievit, R.A.**, Thompson, W. L. & Kosslyn, S.M. (2011). Mental rotation is not easily cognitively penetrable. *Journal of Cognitive Psychology*, 23, 60-75.

PhD Thesis

Kievit, R. A. (2014). Turtles all the way down? Psychometric approaches to the reduction problem.
<https://dare.uva.nl/search?identifier=a7e25e9d-6b24-471b-a7ac-1f4a25040818>

Book Chapters

1. **Kievit, R. A.**, & Simpson-Kent, I. L. (2020). It's about time: towards a longitudinal cognitive neuroscience of intelligence. *The Cambridge Handbook of Intelligence and Cognitive Neuroscience* <https://psyarxiv.com/n2yg7/>.
2. Wagenmakers, E.-J., Wetzels, R., Borsboom, D., **Kievit, R.**, & van der Maas, H. L. J. (2018). *A skeptical eye on psi*. In: May, E., & Marwaha, S. (Eds.), *Extrasensory Perception: Support, Skepticism, and Science*. ABC-CLIO.
3. Verkuilen, J., **Kievit, R.A.** & Zand Scholten, A. (2011). *Fuzzy Sets to Represent Concepts in Psychology and the Behavioral Sciences*. In: Belohlavek, R. & Klir, G.J. (eds.) *Concepts and Fuzzy Logic*, (pp. 149-176). Cambridge: MIT Press.
4. Borsboom, D., Cramer, A. **Kievit, R.A.**, Zand Scholten, A. & Franic, S. (2009) *The End of Construct Validity*. In: Lissitz, R.W. (Ed.). *The concept of validity*. pp. 135-170. Information Age Publishers.
5. Borsboom, D., **Kievit, R.A.**, Cervone, D.P., & Hood, S.B. (2009). *The two disciplines of scientific psychology, or: The disunity of psychology as a working hypothesis*. In: Valsiner, J., Molenaar, P.C.M., Lyra, M.C.D.P., & Chaudhary, N. *Developmental process methodology in the social and developmental sciences*, pp (67-89). New York: Springer.

SOFTWARE PACKAGES

- | | |
|------|--|
| 2019 | Jacobucci et al. regsem: Regularized Structural Equation Modeling
https://cran.r-project.org/web/packages/regsem/index.html [contributor] |
| 2012 | Kievit, R. A. , & Epskamp, S. Simpsons: Detecting Simpson's Paradox. R package version 0.1.0. http://CRAN.R-project.org/package=Simpsons |

INVITED TALKS AND PRESENTATIONS

2020 SNL conference – Selected symposium
2020 University of Tilburg (scheduled keynote)
2020 University of Copenhagen
2020 UCL
2019 Trinity college Dublin
2019 University College London
2019 University of Oxford
2019 Vrije Universiteit Amsterdam (June, 2019)
2019 Cambridge Imaging Festival (May, 2019)
2019 University of Cambridge (May 2019)
2019 MQ Mental Health conference (February, 2019)
2019 University of Oxford (February, 2019)
2018 Flux Conference (2018)
2018 Donders Institute (December, 2018)
2018 Horn Policy Fellows meeting, University of Cambridge
2018 University of Oslo, Lifebrain Conference
2018 University of Cambridge.orkshop on computational psychiatry [invited talk]
2017 Kievit, R.A. University of Zurich. 6th November 2017 [invited talk]
2017 Babraham Institute 3d November 2017 [invited talk]
2017 Kings college London. 7th July 2017
2017 University of Oxford 27 March: Oxford 2017
2017 OHBM. Vancouver Canada. [Invited Symposium]
2017 University of Cambridge
2016 Medical Research Council, HR head office.
2016 Max Planck Ringberg Castle. [Invited seminar]
2016 Max Planck Institute, Berlin (COGITO conference)
2016 Max Planck Institute, Berlin (invited LIFE lecture).
2016 Lucy Cavendish College
2016 Imperial College.
2016 Murphy, F., & Kievit, R. A. University of Cambridge, Department of Genetics
2016 University of Amsterdam, Department of Cognition and Brain Science.
2016 University of Amsterdam, Department of psychological methods. April 2016.
2016 University College London.
2015 MRC-CBSU, Cambridge, UK. [Departmental talk]
2015 Plymouth University
2014 University of Giessen
2014 University of Cambridge, 8th October 2014.
2014 University Sheffield, UK.
2014 MRC-CBSU, Cambridge, UK. [Departmental talk]
2014 Edinburgh University
2014 Max Planck institute for Human Development
2013 MRC-CBSU, Cambridge, UK. 12th of June, 2013. [Departmental talk]
2010 Amsterdam Medical Centre, December 2010.
2010 University of Groningen, November 2010.
2010 Cito institute, Arnhem.

2008 University of Amsterdam, November 2008.

TEACHING

2015- Lecturer in Graduate Psychology course, University of Cambridge
2014-2018 Supervisions in Psychology, University of Cambridge
2011 Lecturer in course 'Foundations of Methodology' (10 students)
2011 Lecturer in course 'Research Methods and Statistics' (500 students)
2011 Guest lecturer in course 'Controversies in Psychology' (300 students)
2011 Guest lecturer in course 'Neuroimaging' (40 students)
2010 Guest lecturer in course 'Philosophy of Psychology' (15 students)
2009, 2010 Lecturer in the course Causality (12 students)
2010- 2012 Guest lecturer in course 'Higher Mental Processes' (200 students)
2010, 2011 *Miniscriptie*. Academic writing course (5 students)
2009, 2011 Supervisor for a Practical Research Project (5 students)
2009-2012 Supervisor for Master thesis internship projects
2008- 2010 Teaching VRT-2: Advanced academic writing course
2007 Research methods course (2355R) at Harvard University
2006 Lecturer of VRT 1: introductory course in academic writing.

AD HOC REVIEWING

Journals (selected)

Proceedings of the National Academy of Sciences, Nature Human Behaviour, Nature Neuroscience, Nature Methods, Intelligence, eLife, Biological Psychiatry, Perspectives on Psychological Science, Developmental Cognitive Neuroscience, The Journal of Neuroscience, Brain, Neurobiology of Aging, Neuropsychologia, Human Brain Mapping, Memory, Cerebral Cortex, Measurement, European Journal of Neuroscience, Perceptual & Motor Skills, Measurement, Journal of Clinical Epidemiology, Learning and Individual Differences, PLoS One, Emotion, Multivariate Behavioural Research, Journal of Intelligence, Royal Interface Focus, Foundations of Science, Universitas Psychologica, Frontiers in Computational Neuroscience, Frontiers in Perception Science, Journal of Neuropsychology

Grant/funding agencies

ERC, FWO (Belgium), NWO (Netherlands), British Psychological Society (UK), Narodowe Centrum Nauki (Poland), APA, APS

COMMITTEE WORK/PROFESSIONAL ACTIVITIES

2020 Programme Committee, FLUX conference
2017- Editorial board, Psychological Review
2017- Editorial board, AMPPS
2017-2020 Graduate tutor, Fitzwilliam College Cambridge,
2015, 2019-2020 Director of studies (Psychology), Fitzwilliam College.

2017-2019	Chair of the Open Science Committee
2015-2019	Chair of the Equality and Diversity committee at the MRC-CBSU
2014	Advisory board for Curatescience.org, a platform committed to improving scientific data sharing and replicability
2014	Member of the Athena Swan committee for the MRC-CBSU, committed to advancing women's career in STEMM academia
2013-2016	Elected member of the program committee of the Annual Convention of the association for Psychological Science (http://aps.psychologicalscience.org/). -Selected invited speakers -Reviewed symposia and poster for the methodology track Acquired sponsorship annually
2009	Methodological consulting for the <i>Consumentenbond</i> .
2007-2009	Ambassador for the Research Master in Psychology at the University of Amsterdam.
2008-2012	Founder and member of the 'AiO-commissie', a committee that organizes scientific and social events for the 70+ PhD students at the faculty of Psychology at the University of Amsterdam
2010-2012	Organized fortnightly talks for the department of Psychological Methods, with national and international speakers.
2012	Co-organized the conference 'Amsterdam Brain Connectivity' [link]
2010	Organized annual summer conference for Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) at the University of Amsterdam.
2010	Organized a 1 day conference 'Big Questions: The Future of Psychology' 9th of April, University of Amsterdam

Workshops organized

2020	Longitudinal Structural Equation Modelling
2019	Structural Equation Modelling
2018	Open Science in practice
2018	Science Careers: supporting diversity
2018	CBU methods day
2018	Longitudinal Structural Equation Modeling (twice)
2018	Getting started with Structural Equation Modeling
2017	CBU methods day
2017	Introduction to R
2016	CBU methods day
2016	Open Science
2016	CBU methods day
2016	Careers in Science
2015	CBU methods day
2015	Introduction to R