

# Rogier A. Kievit

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PERSONAL Born May 22, 1982, in Delft, The Netherlands.

EMPLOYMENT *2008-current* Graduate Student at the methodology department of the faculty of psychology at the University of Amsterdam. Supervisors: Denny Borsboom, Lourens Waldorp and Jan-Willem Romeijn.

*2007-2008* Research Fellow at the Kosslyn laboratory of Cognitive Neuropsychology at Harvard University, Cambridge, Massachusetts.

*2007* Six month internship at the Kosslyn laboratory at Harvard University

*2005-2007* Research Master Psychology at the University of Amsterdam (Cum Laude) Title of thesis project: Representational inertia: The influence of associative knowledge on 3D mental transformations

*2006* Student assistant at The University of Amsterdam.

*2004* Semester of Academic exchange at the University of Otago, Dunedin, New-Zealand

*2002-2005* Bachelor Psychology at University of Amsterdam (B.Sc.)

*2002-2004* Courses in undergraduate philosophy, University of Amsterdam

## PROFESSIONAL MEMBERSHIPS

- Member of Interuniversity Graduate School of Psychometrics and Sociometrics

## AWARDS AND GRANTS

4. *2006* Dr. Hendrik Muller Vaderlandsch fonds Grant for the masters thesis research project at Harvard University (**€1000,00**)

3. *2006* Invitational Conference for Mathematical and Computational Models of Perception and Mental Chronometry, 15-25 April, Loaningdale Centre, Biggar.

2. *2004* STUNT grant for study in New-Zealand (**€850,00**)

1. *2004* AUV study abroad grant (**€500,00**)

AD HOC  
REVIEWING

- *International Conference on System Sciences*
- *Journal of Neuropsychology*
- *Frontiers in Computational Neuroscience*

ARTICLES

16. Wicherts, J., **Kievit, R.A.**, Bakker, M. & Borsboom, D. Reviewing the Reviewers. Manuscript submitted for publication.
15. Kosslyn, S.M., **Kievit, R.A.**, Russel, A.G. & Shepard, J.M. PowerPoint Flaws and Failures: A Psychological Analysis. Manuscript submitted for publication.
14. **Kievit, R.A.**, van Rooijen, H., Wicherts, J.M., Kan, K.J., Waldorp, L.J., Scholte & Borsboom, D. (In press). Intelligence and the brain: A model-based approach. *Cognitive Neuroscience*
13. Borsboom, D., Epskamp, S., **Kievit, R.A.**, Cramer, A. O. J., & Schmittmann. (In press). Transdiagnostic Networks. *Perspectives on Psychological Science*.
12. Harmelen, A. van Elzinga, B. M., **Kievit, R.A.** & Spinhoven, P. (In press). Intrusions of autobiographical memories in individuals reporting childhood emotional maltreatment. *European Journal of Psychotraumatology*, 2, 7336 - DOI: 10.3402/ejpt.v2i0.7336
11. Penke, L. Johnson, W., **Kievit, R. A.**, Wicherts, J. M., Ploeger, A. & Borsboom, D. (In press) Evolutionary psychology and intelligence research cannot be integrated the way Kanazawa (2010) suggests. *American Psychologist*.
10. 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*
9. **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
8. **Kievit, R.A.**(2011). Bayesians caught smuggling priors into Rotterdam Harbour. *Perspectives on psychological science*, 6, 313.
7. **Kievit, R.A.**(2011). Parapsychologie, nullhypothesetoetsing en peer review 2.0. *De Psycholoog*, 46, 10-16.
6. **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.
5. Schmittman, V. D., Cramer, A. O. J., Waldorp, L. J., Epskamp, S., **Kievit,**

**R.A.** & Borsboom, D. (In press) Deconstructing the construct: A network perspective on psychological phenomena. *New ideas in psychology*.

4. 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.

3. 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.

2. **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).

1. 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.

BOOK CHAPTERS 3. Verkuilen, J., **Kievit**, R.A & Zand Scholten, A. (In press). Fuzzy Sets to Represent Concepts in Psychology and the Behavioral Sciences. In: Belohlavek, R. & Klir, G.J. (eds.) *Concepts and Fuzzy Logic*, Cambridge: MIT Press.

2. 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.

1. 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., & Chaudary, N. *Developmental process methodology in the social and developmental sciences*, pp-67-89. New York: Springer.

MISCELLANEOUS PUBLICATIONS 4. Wetzels, R. W. & **Kievit**, R.A.. Kantoortuinen: De illusie van efficintie. Folia

3. **Kievit**, R. A. (2009) Gedrag, hersenen en deeltjes. *Blind*, online interdisciplinary magazine, 22.

2. **Kievit**, R.A. Representational inertia: The influence of associative knowledge on 3D mental transformations. (unpublished Masters thesis)

1. **Kievit**, R.A. The implications of multiple realizability (unpublished Masters thesis)

TALKS AND  
PRESENTATIONS

7. **Kievit, R.A.** Psychometric modeling and Neuroscience. Invited lecture at the Amsterdam Medical Centre, December 2010.
6. **Kievit, R.A.** Een hersenscanner als IQ-test? Invited lecture at the University of Groningen for symposium 'Wijsbegeerte van een bepaald wetenschapsgebied', November 2010
5. **Kievit, R.A.** Understanding and the aims of cognitive neuroscience. *Understanding and the Aims of Science from 31 May- 4 Jun 2010, Universiteit Leiden.*
4. **Kievit, R.A.**, van Rooijen, H., Wicherts, J.M., Kan, K.J., Waldorp, L.J., Scholte & Borsboom, D. Structural Equation Modeling and Cognitive Neuroscience. *IOPS winter conference, 10-11 December, Cito, Arnhem.*
3. **Kievit, R.A.**, Kan, K.J., Wicherts, J.M. & Borsboom, D. If neuro g is the answer, what is the question? *ISIR 2009*, Madrid, Spain.
2. **Kievit, R.A.**, Romeijn, J.W., Waldorp, L.J., Wicherts, J.M., Scholte, H.S. & Borsboom, D. Causality, Structural Equation Modeling and Cognitive Neuroscience: Psychometric Modeling of Reductive Science. *IMPS 2009*, Cambridge, UK.
1. **Kievit, R.A.** Statistical models for mind-body relations. Invited lecture at the course "Philosophy and Cognition" at the University of Amsterdam, November 2008.

POSTER  
PRESENTATIONS

1. **Kievit, R.A.**, Waldorp, L.J., Wicherts, J.M., Romeijn, J.W., Scholte, H.S. & Borsboom, D. Connecting the mind to the brain: Psychometric modeling of the reduction problem. Poster presented at the APS conference in Washington, DC, May 2011.

COMMITTEE  
WORK

- *2007–2009.* Ambassador for the Research Master in Psychology at the University of Amsterdam.
- *2008.* Founder 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

PROFESSIONAL  
ACTIVITIES

- *2010-current* Organize biweekly talks for the department of Psychological Methods, with national and international speakers.
- *10-11 June 2010* Organized two day summer conference for Interuniversity Graduate School of Psychometrics and Sociometrics (IOPS) at the University of Amsterdam.
- *9th of April, 2010* Organized a 1 day conference "Big Questions: The Future of Psychology". 6 invited speakers discussed the cutting edge and

open questions of their field for an audience of 100/150 at the University of Amsterdam.

#### TEACHING

- *2010* Guest lecturer in course 'Philosophy of Psychology'
- *2009, 2010* Lecturer in the course Causality
- *2010* Guest lecturer in course 'Higher Mental Processes' (+90 students)
- *2010* Miniscriptie Psychologie: Academic writing course
- *2010* Supervising Research Master internship: Katrin Heiman
- *2009* Supervising Practical Research Project (onderzoekspracticum)
- *2009, 2010* Supervising Master thesis intership project  
Hilko van Rooijen  
Katrin Heiman
- *2008, 2009, 2010* Teaching VRT-2: Advanced academic writing course
- *2007* Supervisor in a research methods course (2355R) at Harvard University. For this intensive one-on-one course I taught, supervised and assisted a Harvard Masters student in a course aimed at teaching research methods, experimental set up and preliminary data analysis
- *2006* Student assistant at the University of Amsterdam. Teacher of VRT 1: introductory course in academic writing.