

Curriculum Vitae

Dr. Nina Rebecca Arnold

Experimental Psychology
Schloss, Ehrenhof Ost
Room EO 266
D-68131 Mannheim

Phone.: +49 621 181-2102, E-Mail: niarnold@mail.uni-mannheim.de

Research Interests

Recognition Memory
Source Monitoring
Context Binding
Prospective Memory
Hindsight Bias
Multinomial Processing Tree Modeling
Hierarchical Modeling
Diffusion Modeling
Clinical Applications of MPT Modelling
Depression
Anxiety

Education and Professional Experience

2014	Dr. rer.nat. [Dissertation: Hierarchical multinomial modeling of individual differences in memory]
since 2013	Experimental Psychology, University of Mannheim
2009-2013	Mathematical and Cognitive Psychology, University of Düsseldorf
2009	Diplom [M.S. University of Bonn; Thesis: Empirische Validierung des Diffusionsmodells für die Rekognition]
2006-2009	Student Assistant, Experimental Psychology, University of Bonn
2007	Tutor for lecture "Allgemeine Psychologie I – Lernen" (Experimental Psychology, Learning)

Further Education

2011	Bayesian Modeling for Cognitive Science - A WinBUGS Workshop, Amsterdam
2010	Multinomial Modeling Workshop, Düsseldorf
2010	European Society of Cognitive Psychology (ESCoP) Summer School on Computational and Mathematical Modeling of Cognition, Mallnitz, Austria

Journal Articles

- Heck, D. W. *, **Arnold, N. R. ***, & Arnold, D. (in press). TreeBUGS: An R package for hierarchical MPT modeling. *Behavior Research Methods*.
- Marevic, I., **Arnold, N. R.**, Rummel, J. (in press). Item-method directed forgetting and working memory capacity: A hierarchical multinomial modeling approach. *Quarterly Journal of Experimental Psychology*.
- Arnold, N. R.**, Bayen, U. J., & Smith, R. E. (2015). Hierarchical multinomial modeling approaches: An application to prospective memory and working memory. *Experimental Psychology*, 62, 143-152 doi: 10.1027/1618-3169/a000287
- Arnold, N. R.**, Bröder, A., & Bayen, U. J. (2015). Empirical validation of the diffusion model for recognition memory and a comparison of parameter-estimation methods. *Psychological Research*, 79, 882-898. doi: 10.1007/s00426-014-0608-y
- Arnold, N. R.**, Bayen, U. J., & Böhm, M. F. (2014). Is prospective memory related to depression and anxiety? A hierarchical MPT modelling approach. *Memory*. Advance online publication. doi: 10.1080/09658211.2014.969276
- Arnold, N. R.**, Bayen, U. J., Kuhlmann, B. G., & Vaterrodt, B. (2013). Hierarchical modeling of contingency-based source monitoring: A test of the probability-matching account. *Psychonomic Bulletin & Review*, 20, 326-333. doi: 10.3758/s13423-012-03427

Conference Contributions

- Arnold, N. R.**, Arnold, D. (2015, September). *Hierarchical MPT modeling using BUGS*. Talk at 12. Tagung der Fachgruppe Methoden & Evaluation, Jena, Germany.
- Arnold, N. R.**, Boywitt, C. D., & Bröder, A. (2014, November). Context memory and context binding: A hierarchical multinomial modeling approach. Poster at the 5th Annual Meeting of the Psychonomic Society (Psychonomics), Long Beach, CA, USA.
- Arnold, N. R.** & Bayen, U. J. (2014, June). Measuring Individual Differences in the Prospective and Retrospective Components of Prospective Memory. Talk at the 4th International Conference on Prospective Memory, Naples, Italy.
- Arnold, N. R.** & Bayen, U. J. (2014, April). *Prospective Memory: Comparing Ratings and Performance*. Poster at the 56th Meeting of Experimental Psychologists (TeaP), Gießen, Germany.
- Arnold, N. R.**, Böhm, M. F., & Bayen, U. J. (2013, March). *Mental health and prospective memory: A hierarchical MPT modeling approach*. Talk at 55. Tagung experimentell arbeitender Psychologen, Vienna, Austria.
- Kuhlmann, B. G., Meier, M. E., & **Arnold, N. R.** (2013, November). Connecting working and long-term memory: A model-based analysis of encoding and retrieval processes. Poster presented at the Psychonomic Society Conference. Toronto (Canada).
- Arnold, N. R.**, Bayen, U. J., & Smith, R. E. (2012, April). *A hierarchical MPT modeling approach*

to investigating the relationship between prospective memory and working memory. In C. Stahl (Chair), Formal models of memory processes. Symposium conducted at 54. Tagung experimentell arbeitender Psychologen, Mannheim, Germany.

Arnold, N. R., Bayen, U. J., & Smith, R. E. (2012, April). *Prospective memory and working memory: A hierarchical modeling approach*. Poster at the 11th International Conference on Cognitive Modeling, Berlin, Germany.

Bruziks, N. R., Kuhlmann, B. G., Vaterrodt, B., & Bayen, U. J. (2011, March). *Hierarchical modeling of contingency-based source monitoring*. Poster at 53. Tagung experimentell arbeitender Psychologen, Halle, Germany.

Bruziks, N. R., Schütz, J. & Bröder, A. (2009, March). *Konvergente Validität verschiedener Messmodelle des Quellengedächtnisses: Eine Simulationsstudie*. Poster at 51. Tagung experimentell arbeitender Psychologen, Jena, Germany.

Sauer, H.-L. , Maydych, V., Nett, N., **Bruziks, N. R.**, Kreuz, S., Adolphs, K., Schütz, J. & Bröder, A. (2009, March). *Macht Geldpriming misstrauisch?* Poster at 51. Tagung experimentell arbeitender Psychologen, Jena, Germany.

Konert, A., **Bruziks, N. R.**, Gechter, J. M., & Bröder, A. (2008, March). *Einfluss der Art des Lernens auf Strategien in probabilistischen Multi-Attribut Inferenzen*. Poster at 50. Tagung experimentell arbeitender Psychologen, Marburg, Germany.

Teaching

Spring 2017	Experimentalpsychologisches Praktikum (Bachelor)
Fall 2016/2017	Ausgewählte Probleme der Allgemeinen Psychologie II (Bachelor, 2 seminars)
Spring 2016	Forschungs- und Anwendungstechniken: Multinomiale Modellierung (Master)
Fall 2015/2016	Ausgewählte Probleme der Allgemeinen Psychologie II (Bachelor)
	Computergestützte Datenanalyse (Bachelor)
Fall 2014/2015	Computergestützte Datenanalyse (Bachelor)
2014	Beta-MPT-Workshop , Düsseldorf
Spring 2014	Experimentalpsychologisches Praktikum (Bachelor, 2 seminars)
Winter 2012/2013	Computergestützte Erhebung, Modellierung und Analyse von Daten (Master, 3 seminars)
Fall 2013/2014	Ausgewählte Probleme der Allgemeinen Psychologie II (Bachelor, 2 seminars)
Summer 2012	Durchführung und Präsentation empirischer Untersuchungen (Bachelor)
Winter 2011/2012	Computergestützte Erhebung, Modellierung und Analyse von Daten (Master, 2 seminars)
Winter 2010/2011	Computergestützte Erhebung, Modellierung und Analyse von Daten (Master, 2 seminars)
Summer 2010	Computergestützte Datenanalyse (Bachelor)
Winter 2009/2010	Experimentelles Praktikum I (Bachelor)

Academic Supervision and Thesis Reviews

The effect of negative mood on hindsight bias. Bachelor thesis of Eva Breitingner, University of Mannheim, 2015.

Farben machen Leute! Wie die Farbe der Kleidung den Bewerbungserfolg in unterschiedlichen Berufsgruppen beeinflusst. Bachelor thesis of Amelie Müller (supervised by Dr. Michael Gräf), University of Mannheim, 2014.

Easy versus difficult tests: Does test format moderate the testing effect in short-term retention? Bachelor thesis of Maria Stillfried (supervised by Dipl.-Psych Simone Malejka), University of Mannheim, 2015.

Der eigene Vorteil verfälscht das Urteil. Positive und negative Halo-Effekte in Eigen- und Fremdgruppen. Bachelor thesis of Eliane Tröndle (supervised by Dr. Michael Gräf), University of Mannheim, 2015

Das prospektive Gedächtnis: Der Zusammenhang der Leistung junger Erwachsener und der Fremdbeurteilung durch ihre Eltern. Bachelor thesis of Elena Steegmüller, University of Düsseldorf, 2013.

Der Zusammenhang von Selbstbeurteilung und Fremdbeurteilung beim prospektiven Gedächtnis. Bachelor thesis of Laura Kemper, University of Düsseldorf, 2013.

Das prospektive Gedächtnis: Der Zusammenhang von Leistung und Selbstbeurteilung. Bachelor thesis of Liliane Arzi, University of Düsseldorf, 2013.

Das prospektive Gedächtnis: Der Zusammenhang von Schülerleistung und Fremdbeurteilung durch Lehrer. Bachelor thesis of Christina Trepkowski, University of Düsseldorf, 2013).

Essstörungen und episodisches Gedächtnis. Bachelor thesis of Isa Kucin, University of Düsseldorf 2012.

The relation of prospective memory to anxiety and depression: A multinomial model - based study. Bachelor thesis of Mateja Böhm, University of Düsseldorf, 2012.

Empirische Validierung des Bias-Parameters im Diffusionsmodell für die Rekognition. Bachelor thesis of Maike Lex, University of Düsseldorf, 2011.

Ad-hoc Reviews

Psychometrika

Experimental Psychology

Aging, Neuropsychology, and Cognition

Cortex

Advances in Cognitive Psychology

Memory & Cognition