

Arnold R. Kochari

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Areas of interest

Scientific: psychology and neurobiology of language processing and numerical cognition

Meta-scientific: all things open science, web-based data collection

Current position

PhD Candidate, joint project at: **2015 - 2020**
Institute for Logic, Language, and Computation, University of
Amsterdam;
Donders Institute for Brain, Cognition, and Behaviour, Radboud
University in Nijmegen.

Thesis title: *Perceiving and communicating magnitudes: Behavioral
and electrophysiological studies.*

Supervisors: prof. dr. Robert van Rooij, prof. dr. Herbert Schriefers,
dr. Jakub Szymanik.

Education

MA (cum laude) in *Linguistics*, Utrecht University **2013-2015**
Funded by Utrecht Excellence Scholarship.

BA in *Liberal Arts and Humanities* (major: psychology), Charles **2009-2013**
University in Prague

Exchange student, Amsterdam University College **2012**
Funded by Erasmus LLP grant

High school diploma, Public school n. 7, Aktau (Kazakhstan) **2008**

Papers, preprints

Kochari, A., Lewis, A., Schoffelen, J. M., & Schriefers, H. (under review). Semantic and syntactic composition of minimal adjective-noun phrases in Dutch: an MEG study. [preprint: [biorxiv.org/content/10.1101/2020.03.14.991802v2.full.pdf](https://www.biorxiv.org/content/10.1101/2020.03.14.991802v2.full.pdf)]

Papers, published

Kochari, A., van Rooij, R., Schulz, K.* (2020). Generics and alternatives. *Frontiers in Psychology*. doi: 10.3389/fpsyg.2020.01274
[pdf: [frontiersin.org/articles/10.3389/fpsyg.2020.01274](https://www.frontiersin.org/articles/10.3389/fpsyg.2020.01274)]
*alphabetical order of authors

Kochari, A. (2019). Conducting web-based experiments for numerical cognition research. *Journal of Cognition* 2(1): 39, 1-21. doi: 10.5334/joc.85
[postprint: psyarxiv.com/kuczr]

Kochari, A., Flecken, M. (2019). Lexical prediction in language comprehension: a replication study of grammatical gender effects in Dutch. *Language, Cognition and Neuroscience*, 34 (2). doi: 10.1080/23273798.2018.1524500
[postprint: psyarxiv.com/9npue]

van Rooij, R., & **Kochari, A.** (2019). Grounding a pragmatic theory of vagueness on experimental data: Semi-orders and Weber's Law. In R. Dietz (Ed.), *Vagueness & Rationality in Language Use and Cognition*. Springer International Publishing. doi: 10.1007/978-3-030-15931-3
[postprint: psyarxiv.com/v9xgq]

Kochari, A., Ostarek, M. (2018). Introducing a replication-first rule for PhD projects. *Behavioral and Brain Sciences*, 41. doi: 10.1017/S0140525X18000730
[postprint: psyarxiv.com/6yv45]

Conference proceedings

Talmina, N., **Kochari A.**, & Szymanik, J. (2017) Quantifiers and verification strategies: connecting the dots. *Proceedings of the 21st Amsterdam Colloquium*.
[postprint: bit.ly/2qAfeiG]

Conference presentations

Poster at *Society for Neurobiology of Language* conference: Investigating minimal adjective-noun phrase composition: an MEG study (August 2019, Helsinki)

Talk at *Neuroscience of Language* conference: Disentangling syntactic and semantic components in adjective-noun phrase composition: an MEG study (April 2019, NYU Abu Dhabi)

Talk at *3rd Jean Piaget conference*: Conducting web-based experiments for numerical cognition research (June 2018, Geneva).

[pdf: osf.io/jn5xh]

Poster at *CUNY 2018*: Interaction of language and magnitude perception: gradable adjectives rely on extraction of ratio-level information (March 2018, Davis).

[pdf: osf.io/uvrcs]

Talk at *Cognitive Semantics and Quantities* workshop: Is the generalized magnitude representation system involved in processing vague adjectives and quantifiers? (September 2017, Amsterdam).

Poster at *ESCoP 2017*: Size congruity effect extends to vague adjectives: interaction of generalized magnitude representation and language (September 2017, Potsdam).

Poster at *CUNY 2017*: When adjectives are like numbers: vague adjectives are processed by the magnitude representation system (March 2017, Cambridge).

Teaching experience

Teaching assistant for *Logic, Language and Computation*, part of MSc. Logic programme, University of Amsterdam **2018**

Teaching assistant for *Logical Methods in Cognitive Science*, part of MSc. Logic programme, University of Amsterdam **2016, 2017**

Teaching assistant for *Higher-order Cognitive Functions*, part of MSc. Brain and Cognitive Sciences programme, University of Amsterdam **2016**

Skills

Experimental techniques: MEG, EEG, eye-tracking, reaction times, web-based data collection

Programming and statistical analysis: R, Python, Matlab, JavaScript

Media coverage

Series of interviews for Dutch popular science magazine *Kennislink*:

- ‘Leuk om bij te dragen aan een actuele discussie’, 2018 [bit.ly/2vz172C]
- ‘Met kleine stapjes naar het grotere plaatje’, 2017 [bit.ly/2JOC2DR]
- ‘Hoe kan het toch dat we elkaar begrijpen?’, 2016 [bit.ly/2ENA7fm]