

Fausto Carcassi

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<https://thelogicalgrammar.github.io>

Employment

- 08/22-Present **University of Tübingen**
Judging Plausible Deniability (PlauDe)
Marie Skłodowska-Curie Individual Fellowship
Supervisor: Michael Franke
- 02/22-08/22 **University of Tübingen**
Postdoctoral researcher
Department of General Linguistics and Pragmatics
PI: Michael Franke
- 04/20-02/22 **University of Amsterdam**
Postdoctoral researcher
Cognitive Semantics and Quantities (ERC n. STG 716230)
PI: Jakub Szymanik

Education

- 09/16-07/20 **University of Edinburgh**
Link Ph.D., Linguistics and English Language
The Cultural Evolution of Scalar Categorization: How cognition and communication affect the structure of categories on scalar conceptual domains.
Supervisors: Prof Simon Kirby, Dr Marieke Schouwstra
Examiners: Dr Wataru Uegaki (Internal), Dr Michael Franke (External)
- 09/15-08/16 **University of Edinburgh**
MSc, Philosophy
- 09/12-08/15 **Ruprecht-Karls-Universität Heidelberg**
B.A., Philosophy

Journal Publications

- Link Carcassi F., Sbardolini G. (Under Review) Assertion, Rejection, and the Evolution of Boolean Operators.

Carcassi F., Szymanik J. (Under Review) Smaller Languages of Thought can be Recovered More Easily from Learning Data.

2022 Carcassi F., Szymanik J. (2022) Neural Networks Track
Link the Logical Complexity of Boolean Concepts. Open Mind.
<https://doi.org/10.1162/opmi.a.00059>

2022 Carcassi F., Szymanik J. (2022), Heavy Tails and the Shape of Modified Nu-
Link merals. Cognitive Science, 46: e13176. <https://doi.org/10.1111/cogs.13176>

2021 Carcassi F., Szymanik J. (2021) An Alternatives Account of ‘Most’
Link and ‘More Than Half’. Glossa: a journal of general linguistics, 6(1).
<https://doi.org/10.16995/glossa.5764>

2021 Carcassi, F., Steinert-Threlkeld, S. and Szymanik, J. (2021), Monotone
Link Quantifiers Emerge via Iterated Learning. Cognitive Science, 45: e13027.
<https://doi.org/10.1111/cogs.13027>

Proceedings

2021 Carcassi, F. and Szymanik, J. (2021) ‘Most’ vs ‘More Than Half’: An Al-
Link ternatives Explanation, Proceedings of the Society for Computation in Lin-
guistics: Vol.4, Article 30.

2021 Carcassi F., Szymanik J. (2021) The Shape of Modified Numerals. Proceed-
Link ings of the 43st Annual Meeting of the Cognitive Science Society.

2020 Carcassi F., Schouwstra M., Kirby S. (2020) The Advantage of Extreme
Link Meanings in Cultural Evolution. The Evolution of Language: Proceedings
of the 13th International Conference (EvoLang13).

2019 Carcassi F., Steinert-Threlkeld S., Szymanik J. (2019) The Emergence of
Link Monotone Quantifiers via Iterated Learning. Proceedings of the 41st Annual
Meeting of the Cognitive Science Society.

2018 Carcassi F., Kirby S., Schouwstra M. (2018) The Evolution of Adjectival
Link Monotonicity. Proceedings of Sinn und Bedeutung 23.

Invited Talks

11/04/2022 Mentor at the REST-CL Retreat for Students in Computational Linguistics,
Link Barcelona

Modelling argumentation with quantifiers

18/05/22 CoSaQ Closing workshop, Amsterdam

- 29/01/21 *Updates and Boolean Universals*
EXPRESS Workshop Non-Assertoric Speech Acts, Amsterdam
- 14/12/20 *An Alternatives Account of ‘Most’ and ‘More Than Half’*
Donders Computational Cognitive Science group, Nijmegen
- 08/05/20 *The role of learning in the evolution of semantic extremeness*
Computation, Language, and Meaning Band of Researchers, Washington
- 15/04/20 *Cognitive Semantics and Quantities*, Amsterdam
- 25/02/19 *The evolution of a semantic universal through iterated learning*
Mind and Cognition Group, Edinburgh
- 23/04/19 *The semantic structure of gradable adjectives: an experiment and a Bayesian model*
Centre for Language Evolution, Edinburgh
- 22/11/18 *Monotonicity in gradable adjectives: an evolutionary model and some experimental results*
Cognitive Semantics and Quantities seminar, Amsterdam
- 19/06/18 *The evolution of adjectival monotonicity*
Centre for Language Evolution, Edinburgh

Reviewed Talks & Posters

- 29/07/21 *The Shape of Modified Numerals*
Annual Conference of the Cognitive Science Society (CogSci), Montreal
- 16/04/20 *The Advantage of Extreme Meanings in Cultural Evolution*
Evolang XIII (Cancelled due to Covid-19 pandemic)
- 03/08/21 *The Emergence of Monotone Quantifiers via Iterated Learning*
Experimental approaches to language universals in structure and meaning (ExUni virtual Workshop at ESSLLI)
- 12/06/20 *Meaning, Logic and Cognition*, Amsterdam
- 27/07/19 *Annual Conference of the Cognitive Science Society (CogSci)*, Montreal
- 06/09/18 *The Evolution of Adjectival Monotonicity*
Sinn und Bedeutung 23, Barcelona
- 30/08/18 *The Evolution of Scalar Terms’ Semantic Structure*
Societas Linguistica Europaea, Tallin

7/12/17 *The Evolution of Monotonicity in the Semantics of Gradable Adjectives*
60th Language Lunch (Poster), Edinburgh

Teaching

ESSLLI

2022 *Computational Approaches to the Explanation of Universal Properties of*
Link *Meaning* (with Jakub Szymanik)

University of Tübingen

2022 *The probabilistic Language of Thought: An introduction to contemporary*
Link *models of the Language of Thought, combining theoretical lectures and labs.*

University of Amsterdam

2021 *Cognitive Modeling* (design and teaching): Course for 3rd year students
Link in the Bachelor's program *Cognition, Language and Communication*. The course covers various important Bayesian models of cognition, both with theoretical lectures and programming labs in R.

2021 BA Dissertation in AI. de Kleuver, G. (2021) Cultural Evolution of Convex Color Terms and Degeneracy.

2021 BA Dissertation in AI. Duetz N. (2021) The Cultural Evolution of Color Convexity in a Population of Neural Networks.

University of Edinburgh

2018 Guest Lecture for *Current Issues in Semantics and Pragmatics*
Tutoring for:

2018-19 *Logic 1* (Introduction to Logic)

2018-19 *Logic 2* (Introduction to Modal Logic)

2017-18, 2018-19 *Introduction to Cognitive Science*

2017-18 *LEL 1B* (Introduction to Linguistics)

2016-17, 2017-18 *Mind, Matter and Language*

Reviewer

2021 ESSLLI 2021

2021 Memory & Cognition Journal

2018-2021 Annual Conference of the Cognitive Science Society (CogSci)

2020 Conference on Computational Natural Language Learning (SIGNLL)

2019 Workshop on Semantic Universals, Amsterdam Colloquium

2018 The Evolution of Language (EvoLang)

2018 Models of the Mind, Edinburgh

Book reviews

2012 Orilia F. (2012), "Filosofia del tempo: Il dibattito contemporaneo",
Published in: ReF - Recensioni Filosofiche, 87

Public Engagement

- 2018 *Exploring an Alien World*, International Science Fair, Edinburgh.
Collaborative work with Jonas Nölle. We developed a simple game in virtual reality (using C# + Unity) that was played by children.
- 2016-17 Academic Support Officer, Edinburgh's Philosophy Society
- 07/03/16 *Putting adjectives on the square of oppositions*
Student Cognitive Science Society, Edinburgh