

# Pablo León Villagrà

pablo.leon@ed.ac.uk

November 12, 2019

3.48 Informatics Forum  
10 Crichton Street  
Edinburgh, EH8 9AB  
United Kingdom

## Education

2015–today	<b>Ph.D. University of Edinburgh</b> Thesis Title: Inference and Generalization in Humans and Machines Supervisors: Prof. Dr. Christopher Lucas, Prof. Dr. Subramanian Ramamoorthy
2012–2015	<b>MSc. Cognitive Science, University of Osnabrück</b> Thesis Title: Causal Reasoning and the Markov Assumption in a Physical Microworld Thesis Grade: 1.0 (A), Overall Grade: 1.0 (Distinction) Supervisors: Prof. Dr. Frank Jäkel, Prof. Dr. David Lagnado
2010–2011	<b>New Bulgarian University</b> Semester abroad
2008–2013	<b>BSc. Cognitive Science, University of Osnabrück</b> Thesis Title: Categorization in Chess Thesis Grade: 1.0 (A), Overall Grade: 1.2 (Distinction) Supervisor: Prof. Dr. Frank Jäkel

## Academic & Research Experience

2019-2020	<b>Visiting Ph.D. student at the Computational Cognitive Development Lab, University of Toronto, Canada</b> Six month visit during which I ran developmental studies in categorization.
2019	<b>Participant at the Diverse Intelligences Summer Institute, University of St. Andrews, UK</b> A month-long summer institute hosting lectures and projects regarding issues of computational, social and comparative cognition.
2018-2019	<b>Tutor for Informatics Research Review, University of Edinburgh, UK</b> Tutoring informatics master students in writing a research review and structuring their research projects.
2016-2019	<b>TA, Tutor, Demonstrator &amp; Marker for Introduction to Cognitive Science, University of Edinburgh, UK</b>
2018-2019	<b>TA, Tutor &amp; Marker for Computational Cognitive Science, University of Edinburgh, UK</b> Developing materials for the tutorials in R. Tutoring and marking an undergraduate-level class in computational modeling.
2016-2019	<b>TA, Tutor, Demonstrator &amp; Marker for Introduction to Cognitive Science, University of Edinburgh, UK</b> Developing materials for the exercises, labs and assignments in Python. Tutoring and demonstrating an introductory course in Cognitive Science.
2017	<b>Internship at the Alan Turing Institute, London, UK</b> During the three month internship I developed and implemented a prototype app to allow citizen engagement through interactive explanations.
2014	<b>Research Assistant in the Cognitive Modeling Group, University of Osnabrück, Germany</b> Developing, programming, running and analyzing human categorization experiments.
2014	<b>Research Internship at the Causal Cognition Lab, University College London, UK</b> Three month visit during which I developed experimental designs and researched causal cognition.
2013-2014	<b>Tutor for Multivariate Statistics, University of Osnabrück, Germany</b> Tutoring of psychology master students in multivariate statistics. Supervision of theoretical and SPSS exercises.

## Publications

- Pablo León-Villagr  and Frank J kel. “Categorization and Abstract Similarity in Chess”. In: *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (2013).
- Alexander Matthews et al. “GPflow: A Gaussian process library using TensorFlow”. In: *The Journal of Machine Learning Research* 18.1 (2017), pp. 1299–1304.
- Pablo Le n-Villagr , Sarwar Islam, et al. “You guessed it! Reflecting on preconceptions and exploring data without statistics”. In: *Proceedings of the 2nd European Data and Computational Journalism Conference*. University College Dublin. 2018, p. 11.
- Pablo Le n-Villagr , Irina Preda, and Christopher G Lucas. “Data Availability and Function Extrapolation”. In: *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (2018).

Pablo León-Villagr , Verena S. Klar, et al. “Exploring the Representation of Linear Functions”. In: *Proceedings of the 41th Annual Conference of the Cognitive Science Society* (2019).

Pablo Le n-Villagr  and Christopher G Lucas. “Generalizing Functions in Sparse Domains”. In: *Proceedings of the 41th Annual Conference of the Cognitive Science Society* (2019).

## Presentations

2019	<b>Talk: Dubrovnik, Croatia</b> Title: Generalizing Functions in Sparse Domains XI. Dubrovnik Conference on Cognitive Science
2018	<b>Talk: Darmstadt, Germany</b> Title: Data availability and function extrapolation 14th biannual conference of the German Society for Cognitive Science Best Presentation Award
2017	<b>Poster Presentation: London, UK</b> Title: Identifying Causal Direction in the Two-Variable Case 39th Annual Cognitive Science Conference
2017	<b>Talk: Osnabr�ck, Germany</b> Title: Human-like Function Learning and Transfer Colloquium of the Institute of Cognitive Science
2016	<b>Poster Presentation: Windsor, UK</b> Title: Human-like Function Learning and Transfer Workshop: Human-Like Computing Machine Intelligence Workshop
2015	<b>Talk: Kunsthaus Muerz, Austria</b> Title: Kausales Denken - Bayesianische Modelle im Dialog mit der Wiener’schen Denkpsychologie Symposium: Oswald Wiener: Selbstbeobachtung - Denkpsychologie
2015	<b>Poster Presentation: M�hnesee-G�nne, Germany</b> Title: Categorization in Chess Interdisciplinary College, M�hnesee-G�nne

## Scholarships

2015–2018	<b>Ph.D. Scholarship</b> School of Informatics, Institute for Language, Cognition and Computation
-----------	--

## Software

Actionscript, JavaScript, MATLAB, Python, R, Scala, SPSS, TEX

## Languages

German	Mother tongue
Spanish	Mother tongue
English	Fluent