

# Jia Ern Loy

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## Current position

Jan 2018 – present      **Postdoctoral Research Assistant**, University of Edinburgh, School of Philosophy, Psychology and Language Sciences (PPLS)

- ERC-funded project “The Evolution of Linguistic Complexity” (Primary Investigator: Prof. Kenny Smith)
- Investigating how language evolves through transmission and interaction

**Introduction to Cognitive Science guest lecturer** (Oct–Nov 2018), University of Edinburgh (PPLS)

- Undergraduate Python course (topics covered: functions, loops, conditions, focusing on the use of Python in Cognitive Science)

## Experience

Sept 2015 – Dec 2017      **Python/R lab tutor**, University of Edinburgh (PPLS), United Kingdom

- Undergraduate and postgraduate **Python** courses (topics: variables, sequences, booleans, functions, control structures, simulations, classes)
- Undergraduate **statistics in R** course (topics: data processing and visualisation, ANOVA, mixed effects regression, factor analysis)

May 2017 – July 2017      **Research assistant**, University of Edinburgh (PPLS), United Kingdom

- Linguistics research project “Priming over- and under-informative descriptions” (Primary Investigator: Dr Chris Cummins)
- Experimental design, data collection, transcription and analysis

Nov 2016 – Jun 2017      **Writing centre tutor**, University of Edinburgh (PPLS), United Kingdom

- Academic writing consultation to 3rd and 4th year undergraduates

Aug 2010 – July 2013      **Assistant Language Teacher (ALT) with the Japan Exchange and Teaching (JET) programme**, Matsuyama City Board of Education, Japan

- English as a Second Language (ESL) teacher at elementary school, junior high and advanced/adult level

## Education

Sept 2014 – Dec 2017      **PhD Psychology**, University of Edinburgh

- Thesis: Investigating the effect of a speaker’s manner of delivery on listeners’ on-line pragmatic inferences
- Supervisors: Dr Martin Corley, Dr Hannah Rohde

Sept 2013 – Aug 2014      **MSc Applied Linguistics** (distinction), University of Edinburgh

- Dissertation: Investigation of filled pause production in L1 and L2 speakers during task-based communication
- Supervisors: Dr Lauren Hall-Lew, Dr Martin Corley

Sept 2007 – Jun 2010      **BA English literature and creative writing** (1st class), University of Warwick

## Publications

- Loy, J. E., Rohde, H., & Corley, M. (2018). Cues to lying may be deceptive: Speaker and listener behavior in an interactive lying game. *Journal of Cognitive Science*, 1(1), 42. doi: 10.5334/joc.46
- King, J. P., Loy, J. E., Corley, M. (2017). Contextual effects on online pragmatic inferences of deception. *Discourse Processes*. doi: 10.1080/0163853X.2017.1330041
- Loy, J. E., Rohde, H., & Corley, M. (2016). Effects of Disfluency in Online Interpretation of Deception. *Cognitive Science*. doi: 10.1111/cogs.12378

## Presentations and proceedings

- Loy, J. E. & Smith, K. (2018). Accommodation may depend on perceived linguistic knowledge: Experimental evidence from interaction with native and nonnative speakers. Poster at the Workshop on Accommodation in Speech Communication. Zurich, Switzerland.
- Loy, J. E., Rohde, H. & Corley, M. (2016). Lying about where the treasure lies: Pragmatic cues to deception in production and comprehension. Poster at the 22nd AMLaP conference. Bilbao, Spain.
- Loy, J., Rohde, H. & Corley, M. (2016). Lying, in a manner of speaking. *Proceedings of Speech Prosody 8*, 984–988. Boston, MA.
- Loy, J. E., Rohde, H. & Corley, M. (2015). The truth about lying: Pragmatic judgements about speaker reliability are made online. Talk at the 21st AMLaP conference. Malta.

## Submitted works

- Loy, J. E., Rohde, H., & Corley, M. (2019). Real-time social reasoning: The effect of disfluency on the meaning of *some*. Under review at *Journal of Cultural Cognitive Science*.
- King, J. P. J., Loy, J. E. & Corley, M. (2019). Interpreting nonverbal cues to deception in real time. Under review at *PLoS One*.

## Skills

Programming	Python (proficient; 4+ years) R (proficient; 5+ years) LaTeX (good; 4+ years) HTML/CSS JavaScript (functional; 2+ years) PHP (basic; 2+ years)
Data	Processing (base R, tidyverse), Visualisation (ggplot), Interpretation
Statistics	Null hypothesis testing, Information-theoretic based modelling, Multilevel modelling, Time series analysis, Cluster analysis
Languages	English, Mandarin Chinese, Japanese (JLPT level 3)
Software	OpenSesame, Praat, ELAN, WordSmith tools
Methods	Eyetracking (SR, Eyetribe) Mousetracking (Python) Corpus analysis Artificial language learning Iterated learning

## Scholarships/awards

June 2017	University of Edinburgh, PPLS-Gray Publication Prize for manuscript “Cues to deception may be deceptive: Speaker and listener behavior in an interactive lying game”
Sept 2014 – Aug 2017	University of Edinburgh, College of Humanites and Social Sciences PhD studentship
October 2014	University of Edinburgh, PPLS Highly Commended Dissertaton Award for MSc dissertaton

## Other research involvement

- Reviewer for XPRAG 2019 (8th Experimental Pragmatics Conference)
- Reviewer for CogSci 2019 (41st Annual Meeting of the Cognitive Science Society)
- Organising committee for the Interaction and the Evolution of Linguistic Complexity workshop (18th June 2019)
- Manylabs5—ongoing multi-lab replication study of Crosby, Monin & Richardson (2008) as part of a larger project to improve research reproducibility. Our replication also looks into integrating a standardised experiment script with different eye-trackers across labs.