

# 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” (PI: Prof. Kenny Smith)— Investigating how language evolves through transmission and interaction
- Co-supervising linguistics MSc dissertation projects

**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/tools	OpenSesame, Praat, ELAN, WordSmith tools, SoX
Methods	Eyetracking (SR, Eyetrice) 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)
- Many Labs 5—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.