Maryann Tan

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Objective

Highly motivated self-starter with 4+ years of experience in data wrangling, analysis, and statistical modelling, seeking to apply and hone these skills by helping the analytics team at Klarna achieve their goals.

Current position

PhD Candidate, Centre for Research in Bilingualism, Stockholm University
Thesis topic: Listener adaptation to variability in speech: perception, learning, adaptation & rational inference

Education

2015	MA in Linguistics, Bangor University, Wales
1999	BSc in Economics, University of London

Skills summary

Research and analytical skills

- Behavioural research – designing, testing, and implementing web-based experiments through platforms such as Mechanical Turk and Prolific
- Generalised linear models (GLM) for data analysis (Frequentist & Bayesian)
- Bayesian rational models for prediction & categorisation
- R (tidyverse)
- Data visualisation with ggplot2 and plotly
- Python
- Git and version control
- CLI and Unix/Linux environments for cluster computing
- Writing and documenting results in reproducible form

Soft skills

- Mentoring junior staff/students
- Managing collaborative projects across time zones, borders, and cultures
- Building collaborative partnerships and networks
- Communicating concepts and ideas in various formats to a lay audience

- Writing grant applications
- General problem-solving and troubleshooting skills
- Autodidactic abilities

Non-academic work experience

2015 - 2017 Researcher and Technology reporter, Global Water Intelligence (Oxford)

- Performed qualitative research on water infrastructure demand and investments in both industrial and consumer markets for Southeast Asia.
- Research and report on state-of-the-art technology in water treatment and purification for industrial needs.
- Assisted with business and program development for GWI regional conferences.

2009 - 2014 Freelance financial journalist & public relations

- Contributing writer to various financial publications
- Media and public relations strategy and consulting (Commas & Industry)

2007 - 2008 Financial Writer, VRL Publishing (London)

- Reporting on capital asset leasing
- Acting editor (Leasing Life, May 2008 issue)

2000 - 2007 Senior Writer, Capital Markets & Companies, The Edge Business Weekly

- Reporting on economic developments, stock market analysis and corporate finance

Academic publications & talks

Journal articles

2022 Tan, M.; Sabatello, S.; Savic, I.; Jaeger, T. F. (2022), "Listeners' categorisation behaviour correlates with gradient changes in exposure statistics.", *Proceedings of the 13th International Conference of Experimental Linguistics* Paris, France. Oct 17th - 19th.

2021 Tan, M.; Xie, X.; Jaeger, T. F. (2021), "Using Rational Models to Interpret the Results of Experiments on Accent Adaptation.", *Frontiers in Psychology* 4523 FULL SOURCE CODE: [pdf and html]

2020 Tan, M.; Foltz, A. (2020), "Task sensitivity in L2 English speakers' syntactic processing: evidence for Good-Enough processing in self-paced reading", *Frontiers in Psychology* 11, 575847

2019 Tan, Maryann; Xie, X.; Jaeger, T. F. (2019), "Analysing L2 Swedish word-final stops." *Proceedings of the 10th International Conference of Experimental Linguistics* Lisbon, Portugal. September 25th - 27th.

Conference presentations & posters

2023 Tan, M.; Sabatello, S.; Savic, I.; Jaeger, T. F.(2022), "Listeners adjust prior expectations as they adapt to an unfamiliar talker." *Poster presentation at the 97th Annual Meeting 2023, Linguistic Society of America*, Denver, CO, January 5th – 8th

2022 Tan, M.; Sabatello, S.; Savic, I.; Jaeger, T. F.(2022), "Listeners' categorisation behaviour correlates with gradient changes in exposure statistics." *Talk at the 13th International Conference of Experimental Linguistics*,

Paris, October 17th – 19th.

2021   Tan, M.; Xie, X.; Jaeger, T. F. (2021), "Adaptation to non-native speech: Using rational models to interpret experimental results." *Talk at ISBPAC 2021 (3rd International Symposium on Bilingual and L2 Processing in Adults and children*, MPI Nijmegen, June 3rd – 4th.

Service to the field

2022   Lead organiser: PhD Research Skills workshop (methods, reporting, and reproducibility)

- Attended by 15 PhD students from Stockholm University, Uppsala University, and Radboud University, Nijmegen
- Secured funding to invite workshop speakers:

  1. Prof. T F Jaeger; Brain & Cognitive Sciences, University of Rochester
  2. Prof. C Kurumada; Brain & Cognitive Sciences, University of Rochester
  3. Dr P Rubio-Fernandez; Snr. Researcher in Theoretical Pragmatics, University of Oslo

2018   Organised special talk: "Linguistically influenced spatial orientation in Ixcatec-Spanish and Ngigua-Spanish bilinguals" at the Centre for Research in Bilingualism by invited guest, Dr Evangelia Adamou, Director of Research, CNRS France.