

Maryann Tan

OBJECTIVE

Seeking data analytics role to apply and hone my skills in research and statistical modelling.

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Current position

PhD Candidate, Centre for Research in Bilingualism,
Dept. of Swedish & Multilingualism, Stockholm University

Project

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 – conducting web-based experiments through platforms such as MT-turk and Prolific
- Generalised linear models (GLM) for data analysis
- Bayesian rational models for predicting categorisation
- R (dplyr, purrr, statistical modelling packages e.g. lme4 and brms)
- Data visualisation with ggplot2 and plotly
- Python
- Git and version control

- CLI and Unix/Linux environments for cluster computing
- Report writing and presenting results

SOFT SKILLS

- Mentoring junior staff/students
- Managing collaborative projects across time zones, borders, and cultures
- Building collaborative partnerships and networks
- Writing grant applications
- Communicating concepts and ideas in various formats to a lay audience
- General problem-solving and troubleshooting skills
- Autodidactic abilities

Experience - non-academic

- 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.
- 2008 - 2014 Freelance financial journalist & public relations
- Financial Advisor (Financial Times)
 - Islamic Banking & Finance magazine
 - Media Relations consulting (Commas & Industry)
- 2007 - 2008 VRL Publishing, Writer (London)
- Reporting on capital asset leasing
 - Acting editor (May 2007 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
- 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 Co-organised PhD Research Skills workshop (methods, reporting, and reproducibility)
- Attended by 15 PhD students from Stockholm University, Uppsala University, and Radboud University, Nijmegen
 - Specially invited 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.