

# Maryann Tan

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URL: [sultan8.github.io](https://sultan8.github.io)

## Objective

Highly motivated self-starter with 4+ years of experience in data wrangling, analysis, and statistical modelling, seeking to apply and hone these skills at an international enterprise.

## 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 - advance user; working primarily with 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)
- Produced country reports on water infrastructure demand and investments in both industrial and consumer markets for Southeast Asia.
  - Researched and reported 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.