

Education

- 2015–current **Doctor of Philosophy**, *Queensland University of Technology (QUT)*, Brisbane, Australia.
Supervisors: Dr. Christopher Drovandi and Professor Anthony Pettitt.
- 2012–2014 **Bachelor of Mathematics**, *QUT*, Brisbane, Australia, *GPA 6.91 on a 7 point scale*.
Major: statistics.

Professional Experience

Teaching

- 2016 **Tutor**, *QUT*.
Tutor for the introductory statistics unit LQB284 'Biomedical Skills 2'.
- 2016 **Vacation Research Supervisor**, *QUT*.
Co-supervisor for a vacation research student.

Research

- 2014 **Research Assistant**, *QUT*.
Worked with Dr Christopher Drovandi on approximate Bayesian computation methods.
- 2012,2013 **Vacation Research Student**, *QUT*.
Completed two vacation research projects on the topics of
- Privacy-preserving techniques for analysing password statistics, and
 - Eliciting Expert Opinion.

Other

- 2016 **Co-chair**.
Meeting co-chair for Bayesian Research and Applications Group (BRAG).

Research Interests

- Bayesian computational statistics
- Likelihood-free methods
- Pseudo-marginal methods
- Sequential Monte Carlo (SMC)
- Approximate Bayesian computation (ABC)

Awards

- 2016–current **Australian Postgraduate Award.**
\$26,288 annually for four years.
- 2016–current **Top-up scholarship.**
Top-up scholarship from the Australian Research Council Centre of Excellence in Mathematical and Statistical Frontiers (ACEMS) to the value of \$5,000 annually for three years.
- 2015 **Supervisor Scholarship.**
\$25,849 annually.
- 2016 **High Achiever HDR Student, QUT.**
- 2016 **Excellent Poster Award, Forum 'Math for Industry' 2016.**
- 2014 **Jessica Harris Memorial Prize, QUT.**
Recipient of the award for highest marks in the introductory econometrics unit EFB333 at QUT.
- 2012-2014 **Dean's Scholar, QUT.**
Completed the Bachelor of Mathematics under the Dean's Scholars Program.
- 2012-2014 **Vice Chancellor's Scholarship Recipient, QUT.**
Recipient of a scholarship to the value of \$6,250 annually for three years.

Conference Items

- 2016 **Poster presentation, Forum 'Math for Industry' 2016.**
Presented a poster and two minute presentation on the topic of 'Likelihood-free Bayesian computation with applications in biology'.
- 2013 **Presenter, 18th Australasian Conference on Information Security and Privacy (ACISP).**
Principle author and presenter of 'Count-Min Sketches for Estimating Password Frequency with Hamming Distance at Most Two'.

Publications

- [1] L. F. Price (née South), C. C. Drovandi, A. Lee, and D. J. Nott. Bayesian synthetic likelihood. *Journal of Computational and Graphical Statistics*, Accepted.
- [2] L. South and D. Stebila. *Count-Min Sketches for Estimating Password Frequency within Hamming Distance Two*, pages 388–402. Springer Berlin Heidelberg, Berlin, Heidelberg, 2013.
- [3] L. F. South, C. C. Drovandi, and A. N. Pettitt. Sequential Monte Carlo for static Bayesian models with independent MCMC proposals. *Statistics and Computing*, Submitted.

Referees

Referees are available on request