

# OLIVER GEORGE STEVENSON

## PERSONAL DETAILS

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**E-mail:** o.g.stevenson@gmail.com

**Webpage:** www.oliverstevenson.co.nz

## EDUCATION

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**Doctor of Philosophy (PhD) in Statistics** *2017–2020*

University of Auckland Doctoral Scholar

*University of Auckland*

Thesis title: *Form is temporary, class is permanent: Statistical methods for predicting the career trajectories and contributions of players in the sport of cricket*

**Master of Science (MSc) in Statistics** *2016–2017*

First Class Honours

*University of Auckland*

**Bachelor of Science (Honours) (BSc, Hons.) in Statistics** *2015*

First Class Honours

*University of Auckland*

**Bachelor of Science (BSc), major in Statistics, minor in Psychology** *2011–2014*

*University of Otago*

**Auckland Grammar School** *2006–2010*

## RELEVANT WORK EXPERIENCE

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**Data Scientist** *February 2021–Present*  
*Luma Analytics*

**Data Consultant (Contractor)** *2020–2021*  
*Peritia*

**Statistical Consultant** *2019–2020*  
*University of Auckland Statistical Consulting Centre*

**High Performance Athlete Development Analyst (Contractor)** *2018–2019*  
*High Performance Sport New Zealand*

**Graduate Teaching Assistant** *2017–2020*  
*University of Auckland*

**Teaching Assistant** *2015–2017*  
*University of Auckland*

**Statistics Tutor** *2014*  
*University of Otago*

## SCHOLARSHIPS, PRIZES, AND AWARDS

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- BAYSM 2018 Travel Award** *July 2018*  
Awarded funding to attend the 2018 Bayesian Young Statisticians Meeting (BAYSM).  
University of Warwick, Coventry, UK.
- ISBA 2018 World Meeting Travel Award** *June 2018*  
Awarded funding to attend the 2018 International Society for Bayesian Analysis (ISBA)  
World Meeting.  
University of Edinburgh, Edinburgh, UK.
- NZSA 2017 Student Prize** *December 2017*  
Awarded the prize of highly commended student speaker at the 2017 New Zealand  
Statistical Association (NZSA) conference, for a talk titled *Bayesian survival  
analysis of batsmen in Test cricket*.
- University of Auckland Doctoral Scholarship** *2017*  
Awarded full funding for a PhD position at the University of Auckland.
- Faculty of Science Masters Award** *2016*  
Awarded funding towards an MSc degree at the University of Auckland.
- Summer Research Scholarship in Statistics** *2015*  
Awarded funding for research at the University of Auckland during summer, 2015/2016.
- First in Course Award** *2015*  
Award for first in course for STATS766 – Multivariate Analysis.
- International Biometric Society Australasian Region Honours/4<sup>th</sup> Year Scholarship** *2015*  
Awarded funding towards an Honours degree in statistics.
- Summer Research Scholarship in Statistics** *2014*  
Awarded funding for research at the University of Auckland during summer, 2014/2015.
- Gopi Jain Memorial Prize in Statistics - 300 Level** *2014*  
Awarded annually to the student with the highest marks in 300 level statistics papers at the  
University of Otago.

## PUBLICATIONS

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- Stevenson, O. G.**, and Brewer B. J. (2021). Finding your feet: A Gaussian process model for estimating the abilities of batsmen in Test cricket. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 70(2), 481–506.
- Stevenson, O. G.**, and Brewer B. J. (2018, July). Modelling career trajectories of cricket players using Gaussian processes. In *International Conference on Bayesian Statistics in Action* (pp. 165–173). Springer, Cham.
- Stevenson, O. G.**, and Brewer B. J. (2017). Bayesian survival analysis of batsmen in Test cricket. *Journal of Quantitative Analysis in Sports*, 13(1), 25–36.

## INVITED TALKS

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**Form is temporary, class is permanent: Statistical methods for predicting the career trajectories and contributions of Test cricketers** *June 2021*  
Royal Statistical Society — Statistics in Sports Webinar Series  
*Online*

## OTHER SELECTED CONFERENCE TALKS AND PRESENTATIONS

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**Finding your feet: A Gaussian process model for estimating the abilities of Test cricket players** *November 2019*  
New Zealand Statistical Association Conference 2019  
University of Otago, Dunedin, NZ

**Batting and bowling with Bayes: Modelling the career trajectories of professional cricket players** *November 2019*  
AUT Mathematical Sciences Symposium 2019  
Auckland University of Technology, Auckland, NZ

**A Gaussian process model for estimating the abilities of professional cricket players** *June 2019*  
University of Auckland Department of Statistics PhD Talks Day  
Auckland, NZ  
*Awarded best presenter*

**Finding your feet: Modelling the batting abilities of cricket players using Gaussian processes** *December 2018*  
Australasian Applied Statistics Conference  
Rotorua, NZ

**Modelling career trajectories of cricket players using Gaussian processes** *June 2018*  
2018 International Society for Bayesian Analysis World Meeting  
University of Edinburgh, Edinburgh, UK

**Bayesian survival analysis of batsmen in Test cricket** *December 2017*  
International Association for Statistical Computing and New Zealand Statistical Association 2017 Joint Conference  
University of Auckland, Auckland, NZ  
*Awarded highly commended student speaker*

**The nervous 90s: A Bayesian analysis of batting in Test cricket** *December 2017*  
University of Auckland Department of Statistics PhD Talks Day  
Auckland, NZ  
*Awarded second-best speaker*

**Graphical applications for large-scale conservation projects** *November 2015*  
University of Auckland Postgraduate Statistics Student Presentations  
Auckland, NZ  
*Awarded best speaker of the day*