

Web: <http://www.aboland.ie>

## Education

2011 - 2015

### **PhD. in Statistics**

University College Dublin, Belfield, Dublin 4.

Title: 'Overcoming Intractable Likelihoods' (Supervisor: Prof. Nial Friel).

2010 - 2011

### **M.Sc. in Statistics (First Class Honours)**

University College Dublin, Belfield, Dublin 4.

Minor thesis: 'Supervised Probabilistic Classification' (Supervisor: Prof. Nial Friel).

Courses covered: Multivariate Analysis, Mathematical Statistics, Bayesian Analysis, Time Series Analysis, Applied Statistical Modelling, Data Programming, Monte Carlo Inference and Stochastic Models.

2006 - 2010

### **B.Sc. Degree in Mathematical Science (Upper Second Class Honours)**

University College Dublin, Belfield, Dublin 4.

#### Courses included:

Statistics - Probability Distributions, Statistical Inference I, Biostatistics, Statistical Inference II, Survey Sampling, Linear Models I, Statistics & Visualization, Linear Models II, Data Analysis I, Actuarial Statistics I, Nonparametric Statistics, Design of Experiments, Survival Analysis, Categorical Data Analysis, Data Analysis II and Linear Models with Complex Structures.

Mathematics - Discrete Mathematics, Financial Mathematics, Vector Spaces and Coding, Calculus of Several Variables, Introduction to Analysis, Polynomial Rings/Group Theory, Functions of One Complex Variable, Differential Geometry and Advanced Linear Algebra.

Mathematical Physics - Analytical & Quantum Mechanics, Vector Calculus, Introduction to Fluids & Waves, Partial Differential Equations and Dynamical Systems.

## Skills Acquired

Networking, presenting, report writing and interpersonal skills: Developed through attending and presenting at conferences and workshops, writing my masters and PhD theses, and preparing papers for publication.

Teamwork and communication skills: Developed through participation in group projects during my undergraduate degree and also through playing rugby.

Computer skills: Extensive knowledge of Microsoft Word, Excel, PowerPoint and L<sup>A</sup>T<sub>E</sub>X. Programming in several statistical (computing) languages - R and Minitab, programming in C and C++. Working knowledge in Python, SAS, SPSS and Genstat.

Self-motivation and excellent work ethic: Working independently to overcome problems, manage large workload and plan nature of work.

## Interests and activities:

I enjoy all kinds of sport. I am particularly interested in rugby and currently play with Bective Rangers Football Club. I have also played at school level and represented my school in a Leinster Development Cup final. In addition, I enjoy playing golf and have represented Kilkenny Golf Club at Junior Level for which I hold two Leinster medals. Further interests include soccer, watersports and socialising with friends.