JustinChumbley

Statistician

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About me ———

I am an applied statistician with a broad background in behavioral and biological sciences (economics, psychology, genomics, neuroscience). My work requires self-direction, an ability to translate complicated ideas and communicate them clearly, and the ability to identify creative statistical solutions to novel interdisciplinary problems.

Expertise

- I supervise a small research team studying goals, motivation, and behavior change.
- I consult on the design and statistical analysis of functional genomics, functional cognitive imaging and behavioral studies, often connected to longitudinal panels.
- I develop and publish new statistical tools, and communicate them to non-statisticians.

Skills

- Inference: Frequentist & Bayesian statistics; Causality; experimental design; machine learning; spacial and time-series data: some statistical signal processing; control theory.
- Computing: R; Matlab; some Python; SQL; Shell scripting; data repositories. I contribute to the neuroimaging software package SPM.
- Independence and collaboration: I lead some multidisciplinary projects and consult and collaborate on others. Collaborative writing. Independent grant conception and writing.
- Teaching: Undergraduate & postgraduate student supervision and post-doctoral statistical consultancy. I lecture on statistical methods for neuroimaging (University College London, ETH Zurich, Edinburgh, Milan).

Education

1996–1999	BA Psychology Brighton, UK.	Dept. Cognitive Science, University of Sussex.
2000–2001	MSc Neuroscience London, U.K.	Dept. Biophysics, Imperial College School of Medicine.
2004–2005	MSc Statistics London, U.K.	Dept. Statistics, University College London.
2005–2006	MRes Modeling Biocomplexity London, U.K.	Dept Mathematics, University College London.
2004–2005	PhD Biostatistics London, U.K.	Welcome Trust Centre for Neuroimaging, University College London.

Employment

2016–	Statistician CH	Jacobs Center for Productive Youth Development, UZH Zurich.
2014–2016	Senior Research Associate CH	Dept. Biomedical Engineering, ETH Zurich
2009–2014	Research Associate CH	Dept. Economics, University of Zurich

Publications

Publication list at google scholar.

References

Prof. Dr. med. Klaas Enno Stephan, Ph.D., Scientific director, Translational Neuromodeling Unit (TNU), Institute for Biomedical Engineering University of Zurich and ETH Zurich, Zurich, Switzerland. E-Mail: stephan@biomed.ee.ethz.ch

Prof. Ernst Fehr, Vice-Chairman of the Department of Economics, Director of the UBS International Center of Economics in Society, University of Zurich. Zurich, Switzerland Email: ernst.fehr@econ.uzh.ch

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