



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). I help my collaborators clarify and solve tricky interdisciplinary problems.

Expertise

- I consult on research strategy, design and statistical analysis of human functional genomics, functional neuroimaging and behavioral studies.
- I supervise a research team studying goals, motivation & behavior change.
- I develop new statistical tools & 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 and 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

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

Employment

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

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

Prof. Karl Friston, Scientific director, Wellcome Trust Centre for Neuroimaging, University College London, London, U.K.. Email: k.friston@ucl.ac.uk