

# Michael Hunt

Physics PhD and data scientist

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## Currently

I am an HE lecturer at Cornwall College. I have written and taught many HE courses up to Masters Level.

## Employment

1998–	<b>Cornwall College</b> HE lecturer, course manager and curriculum area manager.
1997–1998	<b>CNRS Lab. Louis Neel</b> OXSEN Research Fellow, developing magnetic transistors.
1996–1997	<b>Physics Department, University of Zuerich</b> Oxygen isotope investigations of Hi Tc superconductors using dilatometry.
1995–1996	<b>ABB Applied Physics Group, Corporate Research Centre, Baden Daettwil</b> Dilatometric studies of 1 MW Hi Tc superconducting current limiter.
1995–1996	<b>Solid State Physics Lab., ETH Zuerich</b> Low temperature studies of transport properties in metals
1981–1982	<b>Research Centre, British Gas, Solihull, UK</b> Coding in FORTRAN and assembly to support gas dispersion investigations.

## Education

1989–1992	<b>University of Bristol</b> PhD Physics “A de Haas-van Alphen Investigation of the heavy fermion superconductor Ce CU <sub>2</sub> Si <sub>2</sub> ” (supervisor: Mike Springford)
1987–1988	<b>University of Sussex</b> MSc Physics by Research ( <i>Distinction</i> )
1982–1985	<b>University of Cambridge</b> BA Natural Science (Physics)

## Presentations

Tutorials	2014	WikiProject Computational Biology half-day tutorial ( <a href="#">ISMB</a> , Boston, USA)
Talks	2016	EECHB: Life Cycle Analysis of Historic Buildings in Cornwall( <a href="#">EECHB</a> , Brussels, Belgium)

## Publications

I have 24 publications in peer reviewed journals, almost all dating from my years as a post-grad and post-doc 1989-1998. See my profile on Research Gate for a listing of these. One was published in Nature and has over 200 citations. More recently (2016) I presented work at an international conference (EECHB, 2016) on energy efficiency in old buildings. This was an analysis carried out using R of heat flow through thick, solid walls.

## Technical skills

Python  
R  
C++  
MATLAB  
Statistics  
LaTeX  
Git  
Linux  
Machine learning  
Bash  
Data visualisation

Projects

blog

I write a data science blog at blm.io where I apply R and Python to open datasets and write-up the results. My posts have been featured by sites including FiveThirtyEight, BuzzFeed, AVclub, io9 and more, and also led to being an invited blogger at the Huffington Post. My original wordpress blog (benjaminlmoore.wordpress.com) has received around 150,000 total views from 180 countries.

EdinbR

I co-founded a usergroup for the R programming language in Edinburgh called EdinbR. I help to organise our monthly meetings and built our website: edinbr.org. Our meetings attract 30-50 statisticians, data scientists and developers for talks and discussion about the R language and its applications. We're sponsored by Revolution Analytics and have an organisational github account at github.com/EdinbR.

dataarea

I entered Imperial College's Summer Data Challenge competition, where entrants analysed a given dataset and then proposed a startup idea based on their results. I developed a modelling technique to select housing areas for investment and was awarded third place: £2,000 and startup support from Imperial Create Lab. My entry can be seen at blm.io/dataarea and the code is shared on my github account.

Awards

MRC Capacity building scholarship (PhD fees + enhanced stipend)  
MRC Full postgraduate scholarship (MSc fees + stipend)  
ISCB computational biology Wikipedia competition 2013 (doi:10.1371/journal.pcbi.1003242; 2nd place)  
Imperial Create Lab's "Summer data challenge" (summerdatachallenge.com; 3rd place)  
Individual engagement grant from the Wikimedia Foundation to attend ISMB 2014  
Training accreditation for Wikimedia UK, the national chapter of the Wikimedia Foundation  
Front cover design selected for J. Comp. Chem. (34:22) (doi:10.1002/jcc.23388)

Placements

2010-11

**Wellcome Trust Sanger Institute** ([Cambridge, UK](#)) Worked for two summers on the Rfam database (rfam.xfam.org) in the Bateman group

Links

✉ mbh038@gmail.com  
🔗 Michael Hunt  
🐦 Michael Hunt  
Michael Hunt  
🔗 scholar

References

Available on request.