



Neil Robert Bramley

Curriculum Vitae

Education

- 2013–2017 **PhD, Experimental Psychology**, *UCL*, London.
- 2012–2013 **MRes, Computer Science**, *UCL*, London.
Project grade: Distinction (84/100)
Overall grade: Merit (80/100)
- 2010–2011 **MSc, Cognitive & Decision Sciences**, *UCL*, London.
Project grade: Distinction (90/100)
Overall grade: Distinction & class prize (86/100)
- 2005–2009 **MA (Hons), Philosophy**, *University of Glasgow*, Glasgow.
Dissertation grade: 19/22
Overall grade: 17/22

Experience

- 2012–2016 **Occasional MSc-level lecturer**, *UCL*, London.
Giving 2-3 lectures per year as part of MSc Cognitive & Decision Sciences.
Topics taught:
 - Active learning
 - Causal learning
 - Philosophy of mind
 - Information theory
- 2011–2016 **Private tuition**, *UCL*, London, UK.
Private statistics and programming tuition at MSc level for cognitive science students
- 2016 **Programme participant**, *University of Cambridge*, London, UK.
“Probability and Statistics in Forensic Science” workshop at the Isaac Newton Institute for Mathematical Sciences
- 2015 **Visiting researcher**, *UC Berkeley*, Berkeley, CA, USA.
Bogue fellowship funded research visit to Tom Griffiths’ Computational Cognitive Science lab and Alison Gopnik’s Cognitive Development lab.

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🌐 [NeilBramley](https://neilbramley.github.io)

- 2015 **Visiting researcher**, *NYU / MIT*, New York, NY / Cambridge, MA.
Bogue fellowship funded research visit to Josh Tenenbaum's Computational Cognitive Science lab and Todd Gureckis' Computation and Cognition lab.
- 2012–2016 **Seminar series organizer**, *UCL*, London, UK.
London Judgment and Decision Making Seminar Series
Responsibilities:
 - Inviting and hosting 30 top speakers on small budget (£500 per year)
 - Promoting seminars, managing JDM mailing list
 - Helping organise affiliate conference "Forecasting, monitoring, controlling: Dealing with a dynamic world" 19–20 Sep, 2013
- 2011–2014 **Statistics & programming demonstratorship**, *UCL*, London, UK.
Cognitive, Perceptual & Brain Sciences
Responsibilities:
 - Providing teaching assistance, tutorial and in class support for 4 MSc programmes and 1st year PhD students for core Statistics and MATLAB courses
 - Leading statistics tutorial sessions
- 2011–2012 **Research assistant**, *Queen Mary, University of London*, London, UK.
Biological & Experimental Psychology Group
Responsibilities:
 - Designing and programming pilot experiments for grant application
 - Writing an ultimately successful ESRC grant application "Cognitive causal models of dynamic control"
 - Securing endorsements from major UK energy regulators and suppliers

Publications

Under review

1. **Bramley, N. R.**, T. Gerstenberg, R. Mayrhofer, and D. A. Lagnado (submitted). The role of time in causal learning.
2. **Bramley, N. R.**, R. Mayrhofer, T. Gerstenberg, and D. A. Lagnado (submitted). Causal learning from interventions and dynamics in continuous time. In:
3. Coenen, A., **N. R. Bramley**, A. Ruggeri, and T. M. Gureckis (submitted). Beliefs about sparsity affect causal experimentation. In:
4. Schulz, E., E. D. Klenke, **N. R. Bramley**, and M. Speekenbrink (submitted). Strategic exploration in human adaptive control. In:

Journal articles

5. **Bramley, N. R.**, P. Dayan, T. L. Griffiths, and D. A. Lagnado (2017). Formalizing Neurath's ship: Approximate algorithms for online causal learning. *Psychological Review*, to appear.
6. McCormack, T., **N. R. Bramley**, C. Frosch, F. Patrick, and D. A. Lagnado (2016). Children's Use of Interventions to Learn Causal Structure. *Journal of Experimental Child Psychology* **141**, 1–22.
7. **Bramley, N. R.**, D. A. Lagnado, and M. Speekenbrink (2015). Conservative forgetful scholars: How people learn causal structure through interventions. *Journal of Experimental Psychology: Learning, Memory & Cognition* **41**(3), 708–731.

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Peer reviewed conference proceedings

8. **Bramley, N. R.**, T. Gerstenberg, and J. B. Tenenbaum (2016). Natural science: Active learning in dynamic physical microworlds. In: *Proceedings of the 38th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp.2567–2573.
9. **Bramley, N. R.**, P. Dayan, and D. A. Lagnado (2015). Staying afloat on Neurath's boat: Heuristics for sequential causal learning. In: *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp.262–267.
10. **Bramley, N. R.**, T. Gerstenberg, and D. A. Lagnado (2014). The order of things: Inferring causal structure from temporal patterns. In: *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp.236–242.

Posters

11. **Bramley, N. R.**, J. D. Nelson, M. Speekenbrink, V. Crupi, and D. A. Lagnado (2014). *What should causal learners value?* Poster presented at the Annual Meeting of the Psychonomic Society.
12. **Bramley, N. R.**, M. Speekenbrink, and D. A. Lagnado (2013). *Mechanisms of active causal learning*. Poster presented at the 35th Annual Meeting of the Cognitive Science Society.

Theses

13. **Bramley, N. R.** (2017). "Constructing the world: Active causal learning in cognition". PhD thesis. UCL.
14. **Bramley, N. R.** (2013). "Algorithms for active causal learning". MRes thesis, UCL.
15. **Bramley, N. R.** (2011). "Mechanisms of active causal learning". MSc thesis, UCL.

Awards and Scholarships

- £500 EPS Grindley Grant (2016)
- £1204 SLMS Graduate School Conference Fund (2016)
- \$500 Robert J. Glushko and Pamela Samuelson Foundation Award for top 20 student papers at CogSci (2015)
- £1470 SLMS Graduate School Conference Fund (2015)
- £3000 Bogue Research Fellowship from University College London funding 3 month visit to UC Berkeley and NYU in the USA (2015)
- £79,600 London Centre for Financial Computing and Analytics 4-year EPSRC PhD scholarship (2012 – 2016)
- £150 Award for best performing student in MSc Cognitive Decision Sciences (2011)

Invited talks

Mar 2016 Summerfield lab, Experimental Psychology, University of Oxford, UK

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- Oct 2015 London Judgment and Decision Making Group, University College London, London, UK
- Jul 2015 Decision Making Symposium, Birkbeck, London, UK
- Mar 2015 Computational Cognitive Science Lab, UC Berkeley, CA, USA
- Feb 2015 Centre for Logic, Language and Cognition, University of Turin, Italy
- May 2014 Max Planck Institute for Human Development, Berlin, Germany

Symposia organised

- Aug 2016 "Beyond Bayes nets" ICT16, Brown University Discussants: James Woodward, Anna Coenen, Neil Bramley, Elias Bareinboim and Steven Sloman

Conference & Workshop Presentations

- Aug 2016 CogSci2016, Philadelphia, PA, USA
- Aug 2016 ICT16, Brown University, Providence, RI, USA
- Aug 2015 CogSci2015, Pasadena, CA, USA
- Jul 2014 Decision making Bristol, University of Bristol, UK
- Jul 2013 SPUDM24, ISCE, Barcelona, Spain
- Jul 2013 MathPsych, Potsdam, Germany
- Mar 2012 TeaP (Conference on Experimental Psychology), Mannheim, Germany
- Feb 2012 Causality Workshop, Causal Cognition Group, University College London, London, UK
- Aug 2011 Causality Workshop, Causal Cognition Group, University College London, London, UK
- Mar 2011 English Graduate Conference on Lies and Deception, University College London, London, UK

Computer skills

- Modelling / statistics C, Cogent, Mathematica, MATLAB, Python, R, SPSS, WinBUGS
- Web development ActionScript, Box2D, CSS, Flash, Flex, HTML5, Git, Java, Javascript, Perl, PHP, PsiTurk, SQL
- Misc LaTeX, Sublime, MS Office

Professional service

- Ad-hoc reviewer for *Journal of Experimental Psychology: General* (1), *Journal of Experimental Psychology: Learning, Memory & Cognition* (3), *Memory & Cognition* (4), *Cognitive Science* (1), *Journal of Behavioural Decision Making* (1), *Experimental Psychology* (1), *Quarterly Journal of Experimental Psychology* (1), *Annual Meeting of the Cognitive Science Society* (7).

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Languages

English **Native**
Spanish **Intermediate**
German **Basic**

Interests

- Guitar
- Surfing
- Long distance running
- Travelling

References

Prof David Lagnado

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Assoc Prof Todd Gureckis

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Prof Peter Dayan

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Prof Tom Griffiths

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