

CURRICULUM VITAE**THOMAS L. GRIFFITHS****PERSONAL DETAILS**

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 Department of Psychology
 3210 Tolman Hall, # 1650
 Berkeley, CA 94720-1650

Nationality: Citizen of Australia and the United Kingdom
 Permanent resident of the United States of America

PROFESSIONAL POSITIONS

July, 2015 - Professor, Department of Psychology and Cognitive Science Program
 University of California, Berkeley

July, 2010 - Director, Institute of Cognitive and Brain Sciences
 University of California, Berkeley

July, 2010 - Associate Professor, Department of Psychology and Cognitive Science Program
 June 2015 University of California, Berkeley

July, 2006 - Assistant Professor, Department of Psychology and Cognitive Science Program
 June, 2010 University of California, Berkeley

January, 2005 - Assistant Professor, Department of Cognitive and Linguistic Sciences
 June, 2006 Brown University

Member of the Institute of Cognitive and Brain Sciences (2006-), the Helen Wills Neuroscience Institute (2007-), and the Department of Electrical Engineering and Computer Science (by courtesy) (2007-), and External Research Associate of the School of Psychology at the University of Western Australia (2010-).

EDUCATION

Ph.D. in Psychology, Stanford University, 2005

Dissertation title: *Causes, coincidences, and theories*

Exchange scholar, Brain and Cognitive Sciences Department and Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, 2002-2004

M.S. in Statistics, Stanford University, 2002

M.A. in Psychology, Stanford University, 2002

B.A. (Honours) in Psychology, University of Western Australia, 1998

AWARDS AND HONORS

2013 Early Career Impact Award for the Cognitive Science Society, Federation of Associations in Behavioral and Brain Sciences (FABBS) Foundation.

2012 Outstanding Young Investigator Award, Psychonomic Society.

Distinguished Scientific Award for Early Career Contribution to Psychology, American Psychological Association.

2011 Janet Taylor Spence Award for Transformative Early Career Contributions, Association for Psychological Science.

2010 Sloan Foundation Research Fellowship (Computer Science).

Young Investigator Program grant, Air Force Office of Scientific Research.

Young Investigator Award, Society of Experimental Psychologists.

2009 Faculty Early Career Development (CAREER) award, National Science Foundation.

William K. Estes Early Career Award, Society for Mathematical Psychology.

2006 “AI Ten to Watch” award from *IEEE Intelligent Systems* magazine, awarded to the ten most promising young scientists performing artificial intelligence research as part of the 50th anniversary of the first artificial intelligence conference.

2002 Stanford University Centennial Teaching Assistant Award.

Department of Psychology Distinguished Teaching Award.

1999 Stanford Graduate Fellowship

1998 Hackett Studentship

J.A. Wood Prize (best student in the Faculties of Arts, Law, and Economics at the University of Western Australia).

Best paper awards

2012 Best Poster award at the Education and Data Mining conference for “Inferring learners knowledge from observed actions,” with Anna Rafferty and Michelle Lamar.

2010 Best Article Published in *Psychonomic Bulletin and Review* in 2010, for “Exemplar models as a mechanism for performing Bayesian inference,” with Lei Shi, Naomi Feldman, and Adam Sanborn.

Best Application Paper award at the International Conference on Machine Learning for “Modeling transfer learning in human categorization with the hierarchical Dirichlet process,” with Kevin Canini and Mikhail Shashkov.

2007 Adam Sanborn received the Outstanding Student Paper prize for “Markov chain Monte Carlo with people” at the Neural Information Processing Systems conference.

2006 Elizabeth Bonawitz received the Marr prize for best student paper for “Modeling cross-domain causal learning in preschoolers as Bayesian inference” at the Cognitive Science Society conference.

2004 Honorable mention for Marr prize for best student paper for “Using physical theories to infer hidden causes” at the Cognitive Science Society conference.

2003 Best student paper prize, natural systems (cognitive science) at the Neural Information Processing Systems conference for “From algorithmic complexity to subjective randomness,” with Joshua Tenenbaum.

Best student paper prize, synthetic systems (machine learning) at the Neural Information Processing Systems conference for “Hierarchical topic models and the nested Chinese restaurant process,” with David Blei, Michael Jordan, and Joshua Tenenbaum.

Distinguished invited lectures

2016 Mind Lecture, University of Kansas.

2015 Teuber Lecture, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology.

2012 Distinguished Speakers in Cognitive Science Lecture Series, Michigan State University.

2009 Distinguished Speaker Series, Center for Machine Learning and Intelligent Systems, University of California, Irvine.

GRANTS AND FUNDING

External

- 2016 “Evaluating semantic representations from neural networks against human behavior,” Google Faculty Research Award (\$71,340).
- 2015-2016 “Value alignment and moral metareasoning,” Future of Life Institute (\$110,883).
- 2015-2017 “Testing evolutionary hypotheses through large-scale behavioral simulations,” National Science Foundation, BCS-1456709 (\$474,697).
- 2013-2016 “Data on the mind: Center for data-intensive psychological science,” National Science Foundation, SMA-1228541 (with Alison Gopnik and Dacher Keltner) (\$531,482).
- 2013-2016 “Rational randomness: Search, sampling and exploration in children’s causal learning,” National Science Foundation, BCS-1331620 (with Alison Gopnik) (\$446,815).
- 2013-2018 “Embedded humans: Provably correct decision making for networks of human and unmanned systems,” Office of Naval Research, N00014-13-1-0341 (with 11 other faculty members, Shankar Sastry as PI) (\$7,500,000).
- 2013-2017 “Inductive inference by humans and machines,” Air Force Office of Scientific Research, FA9550-13-1-0170 (\$694,343).
- 2012-2017 “CRCNS: Cortical representation of phonetic, syntactic and semantic information during speech perception and language comprehension”, National Science Foundation, IIS-1208203 (with Jack Gallant and Frederic Theunissen) (\$423,718).
- 2011-2012 “Perceptual grounding of language using probabilistic models”, DARPA, BOLT-E (with five other faculty, Trevor Darrell as PI) (\$1,093,768).
- 2010-2013 “Probabilistic models for reconstructing ancient languages”, National Science Foundation, IIS-1018733 (with Dan Klein) (\$460,143).
- 2010-2013 “Causal learning as sampling”, National Science Foundation, BCS-1023875 (with Alison Gopnik) (\$323,030).
- 2010-2012 Research Fellowship in Computer Science, Sloan Foundation (\$50,000).
- 2010-2013 “Fast, flexible, rational inductive inference”, Air Force Office of Scientific Research, FA-9550-10-1-0232 (\$358,028).
- 2009-2013 “CAREER: Connecting human and machine learning through probabilistic models of cognition”, National Science Foundation, IIS-0845410 (\$546,841).
- 2008-2009 “Workshop: Probabilistic models of cognitive development”, National Science Foundation, DLR-0838595 (\$56,982).
- 2008 “Nonparametric Bayesian models for relational data” (with Michael Jordan, University of California, Berkeley), Lawrence Livermore National Laboratory (\$70,000).
- 2006-2008 “Topic modeling and identification” DARPA/SRI Cognitive Agent that Learns and Organizes (CALO) project (\$150,000).
- 2006-2009 “Collaborative research: Knowledge transmission through iterated learning” (with Michael Kalish, University of Louisiana at Lafayette), National Science Foundation, BCS-0704034 (\$314,234 total, with \$114,234 to Berkeley).
- 2006-2009 “Collaborative research: Bayesian methods for learning and analyzing natural language” (with Mark Johnson, Brown University), National Science Foundation, SES-0631518 (\$320,000 total, with \$160,000 to Berkeley).

2007-2009 “Theory-based Bayesian models of inductive inference”, Air Force Office of Scientific Research, FA9550-07-1-0351 (\$325,414).

Internal

2006-2007 “Computational and statistical foundations of human inductive inference” (with Stuart Russell and Michael Jordan), Chancellor’s Faculty Partnership Fund (\$78,985).

2006-2009 Berkeley Committee on Research Junior Faculty Research Grants (\$22,000 total).

PUBLICATION LIST (19,693 citations, *h* index of 61 via Google Scholar)

Books

1. Christian, B., & **Griffiths, T.** (in press). *Algorithms to live by*. New York: Holt.

Journal articles

2. Lewandowsky, S., Kalish, M., & **Griffiths, T.L.** (2000). Competing strategies in categorization: Expediency and resistance to knowledge restructuring. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *26*, 1666-1684.
3. Tenenbaum, J.B., & **Griffiths, T.L.** (2001). Generalization, similarity, and Bayesian inference. *Behavioral and Brain Sciences*, *24*, 629-641. (target article)
4. **Griffiths, T.L.**, & Kalish, M.L. (2002). A multidimensional scaling approach to mental multiplication. *Memory and Cognition*, *30*, 97-106.
5. **Griffiths, T.L.**, & Steyvers, M. (2004). Finding scientific topics. *Proceedings of the National Academy of Sciences*, *101*, 5228-5235.
6. **Griffiths, T.L.**, & Tenenbaum, J. B. (2005). Structure and strength in causal induction. *Cognitive Psychology*, *51*, 354-384.
7. Navarro, D.J., **Griffiths, T.L.**, Steyvers, M., & Lee, M.I. (2006). Modeling individual differences with Dirichlet processes. *Journal of Mathematical Psychology*, *50*, 101-122.
8. Steyvers, M., **Griffiths, T.L.**, & Dennis, S. (2006). Probabilistic inference in human semantic memory. *Trends in Cognitive Sciences*, *10*, 327-334.
9. Tenenbaum, J.B., **Griffiths, T.L.**, & Kemp, C. (2006). Theory-based Bayesian models of inductive learning and reasoning. *Trends in Cognitive Sciences*, *10*, 309-318.
10. **Griffiths, T.L.**, & Tenenbaum, J. B. (2006). Optimal predictions in everyday cognition. *Psychological Science*, *17*, 767-773.
11. **Griffiths, T.L.**, & Tenenbaum, J. B. (2007). From mere coincidences to meaningful discoveries. *Cognition*, *103*, 180-226.
12. Kirby, S., Dowman, M., & **Griffiths, T.L.** (2007). Innateness and culture in the evolution of language. *Proceedings of the National Academy of Sciences*, *104*, 5241-5245.
13. **Griffiths, T.L.**, & Kalish, M. L. (2007). Language evolution by iterated learning with Bayesian agents. *Cognitive Science*, *31*, 441-480.
14. **Griffiths, T.L.**, Steyvers, M., & Tenenbaum, J. B. (2007). Topics in semantic representation. *Psychological Review*, *114*, 211-244.
15. Iwata, T., Saito, K., Ueda, N., Stromsten, S., **Griffiths, T.L.**, and Tenenbaum, J. B. (2007). Parametric embedding for class visualization. *Neural Computation*, *19*, 2536-2556.
16. Kalish, M.L., **Griffiths, T.L.**, & Lewandowsky, S. (2007). Iterated learning: Intergenerational knowledge transmission reveals inductive biases. *Psychonomic Bulletin and Review*, *14*, 288-294.

17. Schulz, L., Bonawitz, E. B., & **Griffiths, T.L.** (2007). Can being scared make your tummy ache? Naive theories, ambiguous evidence, and preschoolers' causal inferences. *Developmental Psychology*, *43*, 1124-1139.
18. **Griffiths, T.L.**, Steyvers, M., & Firl, A. (2007). Google and the mind: Predicting fluency with PageRank. *Psychological Science*, *18*, 1069-1076.
19. **Griffiths, T.L.**, Christian, B.R., & Kalish, M.L. (2008). Using category structures to test iterated learning as a method for revealing inductive biases. *Cognitive Science*, *32*, 68-107.
20. Goodman, N.D., Tenenbaum, J.B., Feldman, J., & **Griffiths, T.L.** (2008). A rational analysis of rule-based concept learning. *Cognitive Science*, *32*, 108-154.
21. Navarro, D.J. & **Griffiths, T.L.** (2008). Latent features in similarity judgment: A nonparametric Bayesian approach. *Neural Computation*, *20*, 2597-2628.
22. Dowman, M., Savova, V., **Griffiths, T.L.**, Körding, K., Tenenbaum, J. B., & Purver, M. (2008). A probabilistic model of meetings that combines words and discourse features. *IEEE Transactions on Audio, Speech, and Language Processing*, *16*, 1238-1248.
23. **Griffiths, T.L.**, Kalish, M., & Lewandowsky, S. (2008). Theoretical and experimental evidence for the impact of inductive biases on cultural evolution. *Philosophical Transactions of the Royal Society*, *363*, 3503-3514.
24. Reali, F. & **Griffiths, T.L.** (2009). The evolution of linguistic frequency distributions: Relating regularization to inductive biases through iterated learning. *Cognition*, *111*, 317-328.
25. Goldwater, S., **Griffiths, T.L.** & Johnson, M. (2009). A Bayesian framework for word segmentation: Exploring the effects of context. *Cognition*, *112*, 21-54.
26. **Griffiths, T.L.**, & Tenenbaum, J.B. (2009). Theory-based causal induction. *Psychological Review*, *116*, 661-716.
27. Feldman, N.H., **Griffiths, T.L.**, & Morgan, J.L. (2009). The influence of categories on perception: Explaining the perceptual magnet effect as optimal statistical inference. *Psychological Review*, *116*, 752-782.
28. Lewandowsky, S., **Griffiths, T.L.**, & Kalish, M.L. (2009). The wisdom of individuals: Exploring peoples knowledge about everyday events using iterated learning. *Cognitive Science*, *33*, 969-998.
29. Xu, J., & **Griffiths, T.L.** (2010). A rational analysis of the effects of memory biases on serial reproduction. *Cognitive Psychology*, *60*, 107-126.
30. Sanborn, A.N., **Griffiths, T.L.**, & Shiffrin, R. (2010). Uncovering mental representations with Markov chain Monte Carlo. *Cognitive Psychology*, *60*, 63-106.
31. Kemp, C., Tenenbaum, J.B., Niyogi, S., & **Griffiths, T.L.** (2010). A probabilistic model of theory formation. *Cognition*, *114*, 165-196.
32. Lucas, C.G., & **Griffiths, T.L.** (2010). Learning the form of causal relationships using hierarchical Bayesian models. *Cognitive Science*, *34*, 113-147.
33. Blei, D.M., **Griffiths, T.L.**, & Jordan, M.I. (2010). The nested Chinese restaurant process and Bayesian inference of topic hierarchies. *Journal of the ACM*, *57*, 130.
34. Reali, F., & **Griffiths, T.L.** (2010). Words as alleles: Connecting language evolution with Bayesian learners to models of genetic drift. *Proceedings of the Royal Society, Series B*, *277*, 429-436.
35. Rosen-Zvi, M., Chemudugunta, C., **Griffiths, T.**, Smyth, P., & Steyvers, M. (2010). Learning author-topic models from text corpora. *ACM Transactions on Information Systems*, *28*, 1-38.
36. Shi, L., **Griffiths, T.L.**, Feldman, N.H., & Sanborn, A.N. (2010). Exemplar models as a mechanism for performing Bayesian inference. *Psychonomic Bulletin & Review*, *17*, 443-464. (named Best Paper Published in *Psychonomic Bulletin & Review* in 2010)
37. Hsu, A.S., **Griffiths, T.L.**, & Schreiber, E. (2010). Subjective randomness and natural scene statistics.

Psychonomic Bulletin & Review, 17, 624-629.

38. Sanborn, A.N., **Griffiths, T.L.**, & Navarro, D.J. (2010). Rational approximations to rational models: Alternative algorithms for category learning. *Psychological Review*, 117, 1144-1167.
39. **Griffiths, T.L.**, Chater, N., Kemp, C., Perfors, A., & Tenenbaum, J.B. (2010). Probabilistic models of cognition: Exploring representations and inductive biases. *Trends in Cognitive Sciences*, 14, 357-364.
40. Frank, M., Goldwater, S., **Griffiths, T.L.**, & Tenenbaum, J.B. (2010). Modeling human performance in statistical word segmentation. *Cognition*, 117, 107-125
41. **Griffiths, T.L.**, & Ghahramani, Z. (2011). The Indian buffet process: An introduction and review. *Journal of Machine Learning Research*, 12, 1185-1224.
42. Tenenbaum, J.B., Kemp, C., **Griffiths, T.L.**, & Goodman, N.D. (2011) How to grow a mind: Statistics, structure, and abstraction. *Science*, 331, 1279-1285.
43. Goldwater, S., **Griffiths, T.L.**, & Johnson, M. (2011). Producing power-law distributions and damping word frequencies with two-stage language models. *Journal of Machine Learning Research*, 12, 2335-2382.
44. Austerweil, J.L., & **Griffiths, T.L.** (2011). Seeking confirmation is rational for deterministic hypotheses. *Cognitive Science*, 35, 499-526.
45. Perfors, A., Tenenbaum, J.B., **Griffiths, T.L.**, & Xu, F. (2011). A tutorial introduction to Bayesian models of cognitive development. *Cognition*, 120, 302-321.
46. Buchsbaum, D., Gopnik, A., **Griffiths, T.L.**, & Shafto, P. (2011). Children's imitation of causal action sequences is influenced by statistical and pedagogical evidence. *Cognition*, 120, 331-340.
47. **Griffiths, T.L.**, Sobel, D., Tenenbaum, J.B., & Gopnik, A. (2011). Bayes and blickets: Effects of knowledge on causal induction in children and adults. *Cognitive Science*, 35, 1407-1455.
48. **Griffiths, T.L.**, & Tenenbaum, J.B. (2011). Predicting the future as Bayesian inference: People combine prior knowledge with observations when estimating duration and extent. *Journal of Experimental Psychology: General*, 140, 725-743.
49. Austerweil, J.L. & **Griffiths, T.L.** (2011). A rational model of the effects of distributional information on feature learning. *Cognitive Psychology*, 63, 173-209.
50. Martin, J.B., **Griffiths, T.L.**, & Sanborn, A.N. (2012). Testing the efficiency of Markov chain Monte Carlo with people using facial affect categories. *Cognitive Science*, 36, 150-162.
51. **Griffiths, T.L.**, Vul, E., & Sanborn, A.N. (2012). Bridging levels of analysis for probabilistic models of cognition. *Current Directions in Psychological Science*, 21, 263-268.
52. **Griffiths, T.L.**, & Austerweil, J.L. (2012). Bayesian generalization with circular consequential regions. *Journal of Mathematical Psychology*, 56, 281-285.
53. **Griffiths, T.L.**, Lewandowsky, S., & Kalish, M.L. (2013). The effects of cultural transmission are modulated by the amount of information transmitted. *Cognitive Science*, 37, 953-967.
54. Rafferty, A.N., **Griffiths, T.L.**, & Ettliger, M. (2013). Greater learnability is not sufficient to produce cultural universals. *Cognition*, 129, 70-87.
55. Denison, S., Bonawitz, E., Gopnik, A., & **Griffiths, T.L.** (2013). Rational variability in children's causal inferences: The sampling hypothesis. *Cognition*, 126, 285-300.
56. Schlerf, J., Xu, J., Klemfuss, N., **Griffiths, T.L.**, & Ivry, R.B. (2013). Individuals with cerebellar degeneration show similar adaptation deficits with large and small visuomotor errors. *Journal of Neurophysiology*, 109, 1164-1173.
57. Bouchard-Côté, A., Hall, D., **Griffiths, T.L.**, & Klein, D. (2013). Automated reconstruction of ancient languages using probabilistic models of sound change. *Proceedings of the National Academy of Sciences*, 110, 4224-4229.

58. Sanborn, A.N., Mansinghka, V.K., & **Griffiths, T.L.** (2013). Reconciling intuitive physics and Newtonian mechanics for colliding objects. *Psychological Review*, *120*, 411-437.
59. Feldman, N.H., Myers, E.B., White, K.S., **Griffiths, T.L.**, & Morgan, J.L. (2013). Word-level information influences phonetic learning in adults and infants. *Cognition*, *127*, 427-438.
60. Williams, J.J., & **Griffiths, T.L.** (2013). Why are people bad at detecting randomness? A statistical analysis. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *39*, 1473-1490.
61. Xu, J., Dowman, M., & **Griffiths, T.L.** (2013). Cultural transmission results in convergence toward colour term universals. *Proceedings of the Royal Society B*, *280*, 20123073.
62. Austerweil, J., & **Griffiths, T.L.** (2013). A nonparametric Bayesian framework for constructing flexible feature representations. *Psychological Review*, *120*, 817-851.
63. Feldman, N.H., **Griffiths, T.L.**, Goldwater, S., & Morgan, J. (2013). A role for the developing lexicon in phonetic category acquisition. *Psychological Review*, *120*, 751-778.
64. Vul, E., Goodman, N.D., Tenenbaum, J.B., & **Griffiths, T.L.** (2014). One and done? Optimal decisions from very few samples. *Cognitive Science*, *38*, 599-637.
65. Canini, K.R., **Griffiths, T.L.**, Vanpaemel, W., & Kalish, M.L. (2014). Revealing inductive biases for category learning by simulating cultural transmission. *Psychonomic Bulletin & Review*, *21*, 785-793.
66. Lucas, C.G., Bridgers, S., **Griffiths, T.L.**, & Gopnik, A. (2014). When children are better (or at least more open-minded) learners than adults: Developmental differences in learning the forms of causal relationships. *Cognition*, *131*, 284-299.
67. Shafto, P., Goodman, N.D., & **Griffiths, T.L.** (2014). A rational account of pedagogical reasoning: Teaching by, and learning from, examples. *Cognitive Psychology*, *71*, 55-89.
68. Lucas, C.G., **Griffiths, T.L.**, Xu, F., Fawcett, C., Gopnik, A., Kushnir, T., Markson, L., & Hu, J. (2014). The child as econometrician: A rational model of preference understanding in children. *PLoS One*, *9*(3), e92160.
69. Rafferty, A.N., Zaharia, M., & **Griffiths, T.L.** (2014). Optimally designing games for behavioural research. *Proceedings of the Royal Society A*, *470*, 20130828.
70. Bonawitz, E., Denison, S., Gopnik, A., & **Griffiths, T.L.** (2014). Win-stay, lose-sample: A simple sequential algorithm for approximating Bayesian inference. *Cognitive Psychology*, *74*, 35-65.
71. Rafferty, A.N., **Griffiths, T.L.**, & Klein, D. (2014). Analyzing the rate at which languages lose the influence of a common ancestor. *Cognitive Science*, *38*, 1406-1431.
72. Bonawitz, E., Denison, S., Gopnik, A., & **Griffiths, T.L.** (2014). Probabilistic models, learning algorithms, response variability: Sampling in cognitive development. *Trends in Cognitive Sciences*, *18*, 497-500.
73. Kirby, S., **Griffiths, T.L.**, & Smith, K. (2014). Iterated learning and the evolution of language. *Current Opinion in Neurobiology*, *28*, 108-114.
74. Maurits, L., & **Griffiths, T.L.** (2014). Tracing the roots of syntax with Bayesian phylogenetics. *Proceedings of the National Academy of Sciences*, *111*, 13576-13581.
75. Rafferty, A.N., Lamar, M.M., & **Griffiths, T.L.** (2015). Inferring learners' knowledge from their actions. *Cognitive Science*, *39*, 584-618.
76. **Griffiths, T.L.**, Lieder, F., & Goodman, N.D. (2015). Rational use of cognitive resources: Levels of analysis between the computational and the algorithmic. *Topics in Cognitive Science*, *7*, 217-229.
77. Buchsbaum, D., **Griffiths, T.L.**, Plunkett, D., Gopnik, A., & Baldwin, D. (2015). Inferring action structure and causal relationships in continuous sequences of human action. *Cognitive Psychology*, *76*, 30-77.
78. **Griffiths, T.L.** (2015). Revealing ontological commitments by magic. *Cognition*, *136*, 43-48. (*Science*

Editors' Choice)

79. Yeung, S., & Griffiths **T.L.** (2015). Identifying expectations about the strength of causal relationships. *Cognitive Psychology*, *76*, 1-29.
80. Gopnik, A., **Griffiths, T.L.**, & Lucas, C.G. (2015). When younger learners can be better (or at least more open-minded) than older ones. *Current Directions in Psychological Science*, *24*, 87-92.
81. Abbott, J.T., Austerweil, J.L., & **Griffiths, T.L.** (2015). Random walks on semantic networks can resemble optimal foraging. *Psychological Review*, *122*, 558-569.
82. Lucas, C.G., **Griffiths, T.L.**, Williams, J.J., & Kalish, M.L. (in press). A rational model of function learning. *Psychonomic Bulletin & Review*.
83. **Griffiths, T.L.**, Abbott, J.T., & Hsu, A.S. (in press). Exploring human cognition using large image databases. *Topics in Cognitive Science*.
84. Bridgers, S., Buchsbaum, D., Seiver, E., **Griffiths, T.L.**, & Gopnik, A. (in press). Children's causal inferences from conflicting testimony and observations. *Developmental Psychology*.
85. Hu, J., Lucas, C.G., **Griffiths, T.L.**, & Xu, F. (in press). Preschoolers' understanding of graded preferences. *Cognitive Development*.
86. Rafferty, A.N., Brunswick, E., **Griffiths, T.L.**, & Shafto, P. (in press). Faster teaching via POMDP planning. *Cognitive Science*.
87. Hsu, A. S., Horng, A., **Griffiths, T.L.**, & Chater, N. (in press). When absence of evidence is evidence of absence: Rational inferences from absent data. *Cognitive Science*.
88. Eaves, B., Feldman, N., **Griffiths, T.L.**, & Shafto, P. (in press) Infant-directed speech is consistent with teaching. *Psychological Review*.

Peer-reviewed conference papers

89. **Griffiths, T.L.**, & Tenenbaum, J.B. (2000). Teacakes, trains, toxins, and taxicabs: A Bayesian account of predicting the future. *Proceedings of the 22nd Annual Conference of the Cognitive Science Society*.
90. **Griffiths, T.L.**, & Tenenbaum, J.B. (2001). Randomness and coincidences: Reconciling intuition and probability theory. *Proceedings of the 23rd Annual Conference of the Cognitive Science Society*.
91. Tenenbaum, J.B., & **Griffiths, T.L.** (2001). Structure learning in human causal induction. *Advances in Neural Information Processing Systems 13*.
92. Tenenbaum, J.B., & **Griffiths, T.L.** (2001). The rational basis of representativeness. *Proceedings of the 23rd Annual Conference of the Cognitive Science Society*.
93. **Griffiths, T.L.**, & Tenenbaum, J.B. (2002). Using vocabulary knowledge in Bayesian multinomial estimation. *Advances in Neural Information Processing Systems 14*.
94. **Griffiths, T.L.**, & Steyvers, M. (2002). A probabilistic approach to semantic representation. *Proceedings of the 24th Annual Conference of the Cognitive Science Society*.
95. **Griffiths, T.L.**, & Tenenbaum, J.B. (2003). Probability, algorithmic complexity, and subjective randomness. *Proceedings of the 25th Annual Conference of the Cognitive Science Society*.
96. Danks, D., **Griffiths, T.L.**, & Tenenbaum, J.B. (2003). Dynamical causal learning. *Advances in Neural Information Processing Systems 15*.
97. **Griffiths, T.L.**, & Steyvers, M. (2003). Prediction and semantic association. *Advances in Neural Information Processing Systems 15*.
98. Tenenbaum, J.B., & **Griffiths, T.L.** (2003). Theory-based causal inference. *Advances in Neural Information Processing Systems 15*.

99. **Griffiths, T.L.**, & Tenenbaum, J.B. (2004). From algorithmic to subjective randomness. *Advances in Neural Information Processing Systems 16*. (winner of best student paper prize – natural systems)
100. Blei, D.M., **Griffiths, T.L.**, Jordan, M.I., & Tenenbaum, J.B. (2004). Hierarchical topic models and the nested Chinese restaurant process. *Advances in Neural Information Processing Systems 16*. (winner of best student paper prize – synthetic systems)
101. Kemp, C. S., **Griffiths, T.L.**, Stromsten, S., & Tenenbaum, J.B. (2004) Semi-supervised learning with trees. *Advances in Neural Information Processing Systems 16*.
102. Steyvers, M., Smyth, P., Rosen-Zvi, M., & **Griffiths, T.** (2004). Probabilistic Author-Topic models for information discovery. *The Tenth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*.
103. Rosen-Zvi, M., **Griffiths, T.**, Steyvers, M., & Smyth, P. (2004). The Author-Topic model for authors and documents. *Proceedings of the 20th Conference on Uncertainty in Artificial Intelligence*.
104. **Griffiths, T.L.**, Baraff, E.R., & Tenenbaum, J.B. (2004). Using physical theories to infer hidden causes. *Proceedings of the 26th Annual Conference of the Cognitive Science Society*. (honorable mention for Marr prize for best student paper)
105. **Griffiths, T.L.**, Steyvers, M., Blei, D.M., & Tenenbaum, J.B. (2005). Integrating topics and syntax. *Advances in Neural Information Processing Systems 17*.
106. Iwata, T., Saito, K., Ueda, N., Stromsten, S., **Griffiths, T.**, & Tenenbaum, J. (2005). Parametric embedding for class visualization. *Advances in Neural Information Processing Systems 17*.
107. **Griffiths, T.L.** & Kalish, M.L. (2005). A Bayesian view of language evolution by iterated learning. *Proceedings of the 27th Annual Conference of the Cognitive Science Society*.
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237. Smith, K., Kalish, M.L., **Griffiths, T.L.**, & Lewandowsky, S. (2008). Cultural transmission and the evolution of human behaviour: Introduction to the issue. *Philosophical Transactions of the Royal Society*, *363*, 3469-3476.
238. **Griffiths, T.L.** (2009). The strengths of – and some of the challenges for – Bayesian models of cognition. *Behavioral and Brain Sciences*. (commentary)
239. **Griffiths, T.L.** (2009). Connecting human and machine learning via probabilistic models of cognition. *InterSpeech 2009*. (invited paper)
240. **Griffiths, T.L.** (2011). Rethinking language: How probabilities shape the words we use. *Proceedings of the National Academy of Sciences*, *108*, 3825-3826. (invited commentary)
241. **Griffiths, T.L.**, & Reali F. (2011). Modeling minds as well as populations. *Proceedings of the Royal Society, Series B*. (response to commentary)
242. Xu, F., & **Griffiths, T.L.** (2011). Probabilistic models of cognitive development: Towards a rational constructivist approach to the study of learning and development. *Cognition*, *120*, 299-301. (introduction to special issue)
243. Chater, N., Goodman, N.D., **Griffiths, T.L.**, Kemp, C., Oaksford, M., & Tenenbaum, J.B. (2011). The imaginary fundamentalists: The unshocking truth about Bayesian cognitive science. *Behavioral and Brain Sciences*, *34*, 194-196. (commentary)
244. **Griffiths, T.L.**, Chater, N., Norris, D., & Pouget, A. (2012). How the Bayesians got their beliefs (and what those beliefs actually are). *Psychological Bulletin*, *138*, 415-422. (comment)
245. Jia, Y., Abbott, J., Austerweil, J., **Griffiths, T.**, & Darrell, T. (2012). *Visually-grounded Bayesian word learning*. Technical Report UCB/EECS-2012-202, EECS Department, University of California, Berkeley.
246. **Griffiths, T.L.** (2013). Bayesian approaches to color category learning. *Encyclopedia of Color Science and Technology*. New York: Springer.
247. Goodman, N.D., Frank, M.C., **Griffiths, T.L.**, Tenenbaum, J.B., Battaglia, P., & Hamrick, J. (2015). Relevant and robust. A response to Marcus and Davis. *Psychological Science*, *26*, 539-541.
248. **Griffiths, T.L.** (2015). Manifesto for a new (computational) cognitive revolution. *Cognition*, *135*, 21-23. (invited paper)

INVITED TALKS

2015 Center for Statistics and Machine Learning, Princeton University.

- Brain day, University of Waterloo, Canada.
 Psychology colloquium, University of Pennsylvania.
 Teuber lecture, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology.
 Organizational Behavior group, Stanford Graduate School of Business.
 Cognitive Science Keynote, Yale University.
- 2014 Decision Making Conference, Bristol, UK. (keynote)
 Working group on collective cognition, Santa Fe Institute, Santa Fe, NM.
 Translational Neuroscience Unit, ETH Zürich, Switzerland.
 Cognitive Science colloquium, Central European University, Budapest, Hungary.
 Institute of Neuroinformatics, Universität Zürich, Switzerland.
 IARPA workshop on “Cognitive Science 2.0,” Fort Meade, MD.
- 2013 Mind, Brain, and Computation colloquium, Stanford University.
 Department of Statistics, Duke University.
 Distinguished Speakers in Cognitive Science Lecture Series, Michigan State University.
 Departmental colloquium, Department of Psychology, Princeton University.
 Workshop on Integrating Approaches to Computational Cognition, National Science Foundation.
 Sage Junior Fellows Workshop, University of California, Santa Barbara.
 Computational Social Sciences colloquium, University of Massachusetts, Amherst.
- 2012 Plenary symposium on “30 Years of Marr’s Levels of Analysis,” Annual Conference of the Cognitive Science Society.
 Evolution of Language conference, Kyoto, Japan. (keynote)
 Computational and Systems Neuroscience (CoSyNe) conference, Salt Lake City, Utah. (keynote)
 Debate on Bayesian models of Cognition, Cognitive Science Program, Northwestern University.
 Cognition and Language Group, Stanford University.
- 2011 Researching Communication Conference, University of Western Sydney, Sydney, Australia. (keynote)
 Department of Linguistics, University of Maryland.
 Department of Psychology, Cornell University.
 International Conference on Artificial Neural Networks, Helsinki, Finland. (keynote)
 Stanford Psychology of Language Talk, Stanford University.
 Swartz Institute for Theoretical Neuroscience, Yale University.
 California Cognitive Science Students Conference, University of California, Berkeley (keynote).
 Cognitive Science Department, University of California, San Diego.
 Mind, Brain, and Computation Colloquium, Stanford University.
- 2010 Symposium on “The cognition and language of color,” Optical Society of America Fall Vision Meeting, Rochester, NY.
 Workshop on “Computational models of the mind,” Stanford University, Stanford, CA.
 Annual Meeting of the Society for Mathematical Psychology, Portland, OR.
 Workshop on “Language as an evolutionary system,” University of Edinburgh.
 School of Informatics, University of Edinburgh.
 Society of Experimental Psychologists, Philadelphia, PA.

- Department of Anthropology, University of California, Los Angeles, Los Angeles, CA.
 Cognitive Science Center, University of Minnesota, Minneapolis, MN.
 Human, Social, Culture, and Behavior Modeling group, Naval Postgraduate School, Monterey, CA.
 Workshop on “The sampling hypothesis,” Computational and Systems Neuroscience (CoSyNe) conference, Park City, UT.
 School of Psychology, University of Western Australia.
 Institute for Research in Cognitive Science, University of Pennsylvania.
- 2009 Workshop on “Nonparametric Bayes,” Neural Information Processing Systems conference, Vancouver, BC.
 InterSpeech 2009, Brighton, UK. (keynote)
 Workshop on “Pedagogical reasoning,” 31st Annual Conference of the Cognitive Science Society, Amsterdam, Netherlands.
 Child Language Research Forum, Linguistic Society of America Summer Institute, Berkeley, CA. (keynote)
 Department of Statistics, Carnegie Mellon University, Pittsburgh, PA.
 Workshop on “Human and machine learning,” Institute for Mathematical Behavioral Sciences, University of California, Irvine, Irvine, CA.
- 2008 Empirical Methods in Natural Language Processing conference, Honolulu, HI. (keynote)
 Workshop on “The cognitive science of induction and confirmation,” Venice, Italy.
 International Meeting of the Psychometric Society, Durham, NH. (keynote)
 Quantitative talk series, Psychology Department, University of California, Davis, Davis, CA.
 Symposium on “Bayesian models of perception,” Annual Meeting of the Vision Sciences Society, Naples, FL.
 Workshop on “Language and Cognition,” University of Chicago, Chicago, IL.
 Cognitive Science Department, University of Arizona, Tucson, AZ.
 Workshop on “Core cognitive developmental mechanisms of understanding social causation and the establishment of conceptual representations of causal and intentional agency and action,” Center for Advanced Study in the Behavioral Sciences, Stanford University, Palo Alto, CA.
 Computer Science Department, University of Utah, Salt Lake City, UT.
 Computer Science Department, Brigham Young University, Provo, UT.
 Cognitive Science Department, University of California, Merced, Merced, CA.
 Workshop on “Evolution of psychological categories,” Institute for Mathematical Behavioral Sciences, University of California, Irvine, CA.
 Workshop on “Spanning the Socio-Cognitive Modeling Gap: From Development to Social Simulation,” Massachusetts Institute of Technology, Cambridge, MA.
- 2007 Distinguished Speaker Series, Center for Machine Learning and Intelligent Systems, University of California, Irvine, Irvine, CA.
 Cowles symposium, Cowles Foundation for Research in Economics, Yale University, New Haven, CN.
 Natural language processing group, Microsoft Research, Redmond, WA.
 Psychology Department, University of California, San Diego, La Jolla, CA.
 Center for the Study of Language and Information, Stanford, CA.
 Psychology Department, Stanford University, Stanford, CA.
 Workshop on “Normative models in neuroscience” Computational and Systems Neuroscience (CoSyNe) conference, Park City, UT.

- 2006 Department of Psychology, University of California, Los Angeles, Los Angeles, CA.
 Department of Statistics, University of California, Los Angeles, Los Angeles, CA.
 Bayes focus week, Statistics and Mathematical Sciences Institute, Research Triangle Park, NC.
 NeuroCritical Care Conference, Baltimore, MD. (keynote)
 Center for Mind, Brain, and Computation, Stanford University, Stanford, CA.
 AI group, SRI, Palo Alto, CA.
 NSF Science of Learning Center conference on “Generalization of knowledge,” University of Colorado, Boulder, CO.
 Department of Brain and Cognitive Sciences, University of Rochester, Rochester, NY.
 Department of Psychology, Yale University, New Haven, CN.
- 2005 Workshop on “Bayesian natural language processing” at the Neural Information Processing Systems conference, Whistler, BC.
 Institute for Research in Cognitive Science, University of Pennsylvania, Philadelphia, PA.
 “Empirical inference” symposium, Max Planck Institute for Biological Cybernetics, Tübingen, Germany.
 Language Evolution and Computation Research Unit, Edinburgh University, Edinburgh, Scotland.
 Brain Sciences Program, Brown University, Providence, RI.
- 2004 Institute of Cognitive and Brain Sciences seminar, UC Berkeley, Berkeley, CA.
 “Hot topics” workshop on Visualization and Analysis of High Dimensional Data, Mathematical Sciences Research Institute, Berkeley, CA.
 Department of Psychology, Harvard University, Cambridge, MA.
 Gatsby Computational Neuroscience Unit, University College London.
 Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI.
- 2003 Computer Science Department, University of California, Berkeley, CA.
 Psychology Department, University of California, Irvine, CA.
 Sackler Colloquium on “Mapping knowledge domains,” National Academy of Sciences, Irvine, CA.
 NTT Communication Sciences Laboratory, Osaka, Japan.
- 2002 Psychology Department, University of Colorado, Boulder, CO.
 Psychology Department, Indiana University, Bloomington, IN.
 Applied statistics workshop, Center for Behavioral Research in the Social Sciences, Harvard University, Cambridge, MA.
- 2001 Psychology Department, University of California, San Diego, CA.

OTHER TALKS AND CONFERENCE PRESENTATIONS

- 2015 Symposium on generative and discriminative models, Annual Conference of the Cognitive Science Society, Pasadena, CA.
- 2014 Society of Experimental Psychologists, Los Angeles, CA.
 Association for Psychological Science conference, San Francisco, CA.
 Workshop on deep learning, Annual Conference of the Cognitive Science Society, Quebec City, Canada.
- 2013 Uncertainty in Artificial Intelligence conference, Seattle, WA.

- 2012 Symposium on “Psychonomics without experiments”, Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- 2011 Society for Philosophy and Psychology, Montreal, Canada.
- 2010 Annual Summer Interdisciplinary Conference, Bend, OR.
Australasian Mathematical Psychology Conference, Margaret River, Western Australia.
- 2009 31st Annual Conference of the Cognitive Science Society, Amsterdam, The Netherlands.
- 2008 Biennial Meeting of the Philosophy of Science Association, Pittsburgh, PA.
International Conference on Thinking, Venice, Italy.
Annual meeting of the Society for Mathematical Psychology, Washington, DC.
30th Annual Conference of the Cognitive Science Society, Washington, DC.
- 2007 Neural Information Processing Systems conference, Vancouver, BC.
Annual meeting of the Society for Mathematical Psychology, Irvine, CA.
29th Annual Conference of the Cognitive Science Society, Nashville, TN.
Cognitive Development Society, Santa Fe, NM.
Society for Research in Child Development, Boston, MA.
- 2006 Neural Information Processings Systems Conference, Vancouver, BC.
Annual meeting of the Psychonomic Society, Houston, TX.
Annual meeting of the Society for Mathematical Psychology, Vancouver, BC.
28th Annual Conference of the Cognitive Science Society, Vancouver, BC.
Eastern Psychological Association, Baltimore, MD.
- 2005 Neural Information Processing Systems conference, Vancouver, BC.
Annual meeting of the Society for Judgment and Decision-Making, Toronto, ON.
Annual meeting of the Psychonomic Society, Toronto, ON.
27th Annual Conference of the Cognitive Science Society, Stresa, Italy.
- 2004 Workshop on “Probabilistic models of categorization,” Neural Information Processing Systems conference, Whistler, BC.
Neural Information Processing Systems conference, Vancouver, BC.
Annual meeting of the Psychonomic Society, Minneapolis, MN.
Annual Cape Cod conference on Monte Carlo Methods, Cambridge, MA.
Society for Philosophy and Psychology conference, Barcelona, Spain.
Annual Summer Interdisciplinary Conference, Cavalese, Italy.
26th Annual Conference of the Cognitive Science Society, Chicago, IL.
- 2003 Workshop on “Syntax, Semantics, and Statistics,” Neural Information Processing Systems conference, Whistler, BC.
Neural Information Processing Systems conference, Vancouver, BC.
25th Annual Conference of the Cognitive Science Society, Boston, MA.
DIMACS workshop on “Complexity and inference,” Rutgers University, Piscataway, NJ.
- 2002 Neural Information Processing Systems conference, Vancouver, BC.
24th Annual Conference of the Cognitive Science Society, Fairfax, VA.

- 2001 23rd Annual Conference of the Cognitive Science Society, Edinburgh, Scotland.
 Neural Information Processing Systems conference, Denver, CO.
 Workshop on “Causal learning and inference in humans and machines,” Neural Information Processing Systems conference, Denver, CO.
- 2000 22nd Annual Conference of the Cognitive Science Society, Philadelphia, PA.
 Neural Information Processing Systems conference, Denver, CO.

PROFESSIONAL ACTIVITIES

Editorial and reviewing

- 2010- Consulting editor, *Psychological Review*.
- 2009- Editorial board member, *Journal of Machine Learning Research*.
- 2009- Editorial board member, *Cognitive Science*.
- 2013 Member of search committee for new editor, *Psychonomic Bulletin & Review*.
- 2010-2011 Guest editor for special issue of *Cognition* (with Fei Xu).
- 2008 Guest editor for special issue of *Philosophical Transactions of the Royal Society* (with Kenny Smith, Mike Kalish, and Steve Lewandowsky).
- 2007-2010 Program committee member, Annual Conference of the Cognitive Science Society.
- 2006-2009 Consulting editor, *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- 2005-2012 Member of tutorial organizing committee, Annual Conference of the Cognitive Science Society.
- 2005-2006 Area chair for cognitive science and graphical models, Neural Information Processing Systems conference.

Ad hoc reviewer and panelist for the National Science Foundation (multiple programs), ad hoc reviewer for equivalent organizations in the United Kingdom, European Union, and Canada. Ad hoc reviewer for *Cognitive Science*, *Cognitive Psychology*, *Psychonomic Bulletin and Review*, *Psychological Review*, *Journal of Machine Learning Research*, *Annals of Applied Statistics*, *Memory and Cognition*, *Neurocomputing*, *Psychological Science*, *Cognition*, *Advances in Applied Mathematics*, *Journal of Mathematical Psychology*, *Psychological Bulletin*, *PLoS Computational Biology*, *Behavioral and Brain Sciences*, *Proceedings of the Royal Society*, *Journal of the Royal Society: Interface*, *Journal of Experimental Psychology: General*, *Complexity*, *PLoS One*, *Acta Psychologica*, *European Journal of Cognitive Psychology*, *Journal of Memory and Language*, *IEEE Transactions on Audio, Speech, and Language Processing*, *Journal of Artificial Intelligence Research*, *Adaptive Behavior*, *Interaction Studies*, *Computational Linguistics*, *Language Learning*, *Trends in Cognitive Science*, *Proceedings of the National Academy of Sciences*, *Science*, *Nature*, the Annual Conference of the Cognitive Science society, the International Conference on Machine Learning, the Artificial Intelligence and Statistics conference, the International Joint Conference on Artificial Intelligence, the National Conference on Artificial Intelligence, the Uncertainty in Artificial Intelligence conference, the Annual Meeting of the Association for Computational Linguistics, the Empirical Methods in Natural Language Processing conference, and the Neural Information Processing Systems conference.

Workshop and symposium organization

- 2010 Co-organizer, workshop on “Transfer learning by learning rich generative models,” Neural Information Processing Systems conference.

- 2009 Co-organizer, workshop on “Bounded-rational analyses of human cognition,” Neural Information Processing Systems conference.
 Co-organizer, workshop on “Probabilistic models of cognitive development,” Banff International Research Station, Banff, Canada.
- 2008 Co-organizer, workshop on “Connecting probabilistic models of cognition and neural networks,” University of California, Berkeley, Berkeley, CA.
- 2007 Co-organizer, symposium on “Modern Monte Carlo methods,” Meeting of the Society for Mathematical Psychology.
- 2003 Co-organizer, workshop on “Syntax, semantics, and statistics,” Neural Information Processing Systems conference.
- 2001 Co-organizer, workshop on “Causal learning and inference in humans and machines,” Neural Information Processing Systems conference.

Media coverage

Research mentioned in *The Economist*, *The Atlantic*, *New Scientist*, *The New York Times Magazine*, *San Jose Mercury News*, *Psychology Today*, *Slate*, and *Cosmopolitan*, and on National Public Radio, BBC Radio, Canadian Broadcasting Corporation Radio One, *Scientific American* podcast, and the television program *Criminal Minds*, as well as a variety of science blogs.

Profiled in *IEEE Intelligent Systems Magazine* as one of the “AI Ten to Watch” and *American Psychologist* as recipient of Distinguished Scientific Award for Early Career Contribution to Psychology.

UNIVERSITY AND DEPARTMENT SERVICE

- Director of the Institute of Cognitive and Brain Sciences (2010-).
- Member of Advisory Board for Social Science Matrix (2014-).
- Chair of faculty search committee in Higher Level Cognition (2013-2015).
- Member of Executive Committee for the Institute of Cognitive and Brain Sciences (2006-2010).
- Member of the Computational Modeling Committee for the Cognitive Science Program (2006-2007).
- Member of the Curriculum Committee for the Department of Psychology (2007-2013).
- Member of Advisory Board for Pittsburgh Science of Learning Center (2010-2015).

TEACHING

University courses

- 2016 Computer Science 294: Human-compatible AI
- 2015 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
 Psychology 210E: Foundations of Cognition (lecturer)
 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
- 2014 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
- 2013 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
 Psychology 290Q: Computational models of cognition (lecturer)
 Psychology 210E: Foundations of Cognition (lecturer)
- 2011 Psychology 128/290Q: Probabilistic models of cognition (lecturer).

- 2010 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
 Psychology 290Q: Computational models of cognition (lecturer)
 Psychology 210E: Foundations of Cognition (lecturer)
- 2009 Cognitive Science/Education C1: Introduction to Cognitive Science (lecturer)
 Psychology 128/290Q: Probabilistic models of cognition (lecturer)
- 2008 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
 Psychology 290Q: Computational models of cognition (lecturer)
 Psychology 210E: Foundations of Cognition (lecturer)
- 2007 Cognitive Science/Education C1: Introduction to Cognitive Science (lecturer)
- 2006 Cognitive Science C131/Psychology C123: Computational models of cognition (lecturer)
 Psychology 290Q: Human and machine learning (lecturer)
 Cognitive Science 168: Human and machine learning (lecturer)
- 2005 Cognitive Science 128: Computational cognitive science (lecturer)
- 2002 Psychology 290: Graduate research methods (coordinator, lecturer)
- 2001 Psychology 290: Graduate research methods (teaching assistant)
 Psychology 253: Graduate statistics (teaching assistant)
 Psychology 1: Introduction to psychology (teaching assistant)
- 2000 Psychology 253: Graduate statistics (teaching assistant)
 Psychology 40: Cognitive psychology (guest lecturer)

External tutorials

- 2011 Tutorials on Causality and Monte Carlo as part of the Graduate Summer School on probabilistic models of cognition at the Institute for Pure and Applied Mathematical, University of California, Los Angeles.
- 2010 Co-presenter, tutorial on “Bayesian models of inductive learning,” Annual Conference of the Cognitive Science Society.
 Tutorials on Causality, Nonparametric Bayes, and Monte Carlo methods at Machine Learning and Cognitive Science Summer School.
 Tutorial on “Bayesian models of cognition,” Australasian Mathematical Psychology Conference.
- 2008 Co-presenter, tutorial on “Bayesian models of inductive learning,” Annual Conference of the Cognitive Science Society.
- 2007 Tutorials on graphical models, Monte Carlo, categorization, causal induction, and assorted other topics as part of the Graduate Summer School on probabilistic models of cognition at the Institute for Pure and Applied Mathematics, University of California, Los Angeles.
- 2006 Co-presenter, tutorial on “Bayesian models of inductive learning,” Annual Conference of the Cognitive Science Society.
- 2004 Co-presenter, tutorial on “Bayesian models of inductive learning,” Annual Conference of the Cognitive Science Society.

ADVISING AND LAB ALUMNI

Undergraduate honors theses

Linsey Smith (graduate student, Northwestern University)
Aaron Beppu (software engineer, Etsy.com)
Brett Goldstein (analyst, Accenture Tech Labs)
Andy Horng (programmer, Recommind)
Nick Lewis (graduate student, Indiana University)
Jared Lorince (graduate student, Indiana University)
Jay Martin (graduate student, New York University)
Julia Ying (graduate student, Cornell University)
Rebecca Neumann (research analyst, RiskIQ)
Avi Press (software engineer, Pandora)
Benj Shapiro (researcher, Pandora)
Tiffany Hwu (graduate student, University of California, Irvine)

Graduate students

Sharon Goldwater (Reader, University of Edinburgh)
Adam Sanborn (Assistant Professor, University of Warwick)
Lei Shi (Associate, McKinsey & Company)
Chris Lucas (Chancellor's Fellow, University of Edinburgh)
Naomi Feldman (Assistant Professor, University of Maryland)
Kevin Canini (Software Engineer, Google)
Jing Xu (postdoctoral researcher, Johns Hopkins University)
Saiwing Yeung (faculty member, Beijing Institute of Technology)
Joe Austerweil (Assistant Professor, Brown University)
Daphna Buchsbaum (Assistant Professor, University of Toronto)
Anna Rafferty (Assistant Professor, Carleton College)

Postdoctoral researchers

Florencia Reali (faculty member, Universidad de Los Andes)
Wolf Vanpaemel (faculty member, Katholieke Universiteit Leuven)
Anne Hsu (lecturer, Queen Mary, University of London)
Liz Bonawitz (Assistant Professor, Rutgers University)
Luke Maurits (postdoctoral researcher, University of Auckland)
Tom Morgan (Assistant Professor, Arizona State University)