

# Derek Powell

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## Education

*University of California, Los Angeles*  
PhD Psychology – Computational Cognition 2016

*Arizona State University*  
BS Psychology 2010

## Employment

*Stanford University*  
Postdoctoral Scholar 2016 - Present

## Work In Progress

1. **Powell, D.**, Keil, M., Brenner, D., Lim, L., & Markman, E. M. (Resubmitted). Misleading health consumers through violations of communicative norms: A case-study of online diabetes education. *Psychological Science*.
2. **Powell, D.**, Horne, Z., & Hummel, J. E. (In Preparation). Toxic beliefs and belief polarization.
3. **Powell, D.**, & Horne, Z. (In Preparation). Expectations influence moral concern for victims of terrorism: Evidence from Twitter and behavioral data.
4. **Powell, D.**, Weisman, K., & Markman, E. M. (In Preparation). Graphical models of attitudes surrounding vaccines and disease.
5. **Powell, D.**, & Holyoak, K. J. (In Preparation). Moral judgments affect evaluations of choice outcomes.
6. **Powell, D.**, Bian, L., & Markman, E. M. (In Preparation). Encouraging fruit and vegetable consumption through intuitive theory building.
7. **Powell, D.**, Bennett, E., & Goodman, N. D. (In Preparation). Eliciting domain knowledge to model intuitive theories.

## Publications

<sup>†</sup> contributed equally as first author

### Journal Articles

1. **Powell, D.**, Yu, J., DeWolf, M., & Holyoak, K. J. (2017). The love of large numbers: A popularity bias in consumer choice. *Psychological Science*, in press.

2. **Powell, D.**, & Horne, Z. (2017). Moral severity is represented as a domain-general magnitude. *Experimental Psychology*, 64, 142-147.
3. Holyoak, K. J., & **Powell, D.** (2016). Deontological Coherence: A framework for common-sense moral reasoning. *Psychological Bulletin*, 142(11), 1179-1203.
4. Horne, Z., & **Powell, D.** (2016). How large is the role of emotion in moral judgment? *PLoS ONE*, 11(7), e0154780.
5. Pritschet, L., **Powell, D.**<sup>†</sup>, & Horne, Z. (2016). Marginally significant effects as evidence for hypotheses: Changing attitudes over four decades. *Psychological Science*, 27(7), 1036-1042.
6. **Powell, D.**, Merrick, M. A., Lu, H., & Holyoak, K. J. (2016). Causal competition based on generic priors. *Cognitive Psychology*, 86, 62-86.
7. Horne, Z., **Powell, D.**<sup>†</sup>, Hummel, J. E., & Holyoak, K. J. (2015). Reply to Betsch et al.: Highlighting risks of diseases shifts vaccine attitudes. *Proceedings of the National Academy of Sciences*, 112, E6727.
8. Horne, Z., **Powell, D.**<sup>†</sup>, Hummel, J. E., & Holyoak, K. J. (2015). Countering antivaccination attitudes. *Proceedings of the National Academy of Science*, 112(33), 10321-10324.
9. **Powell, D.**, Horne, Z., Pinillos, N. A., & Holyoak, K. J. (2015). A Bayesian framework for knowledge attribution: Evidence from semantic integration. *Cognition*, 139(92), 92-104.
10. Horne, Z., **Powell, D.**, & Hummel, J. E. (2015). A single counterexample leads to moral belief revision. *Cognitive Science*, 39(8), 1950-1964.
11. Homa, D., **Powell, D.**, & Ferguson, R. (2013). Array training in a categorization task. *Quarterly Journal of Experimental Psychology*, 67(1), 45-59.
12. Horne, Z., **Powell, D.** & Spino, J. (2013). Belief updating in moral dilemmas. *Review of Philosophy and Psychology*, 4, 705-714.

#### *Book Chapters and Conference Proceedings*

1. **Powell, D.**, Waldmann, M. R., & Cheng, P. W. (2016). How should autonomous vehicles behave in moral dilemmas? Human judgments reflect abstract moral principles. *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
2. **Powell, D.**, Merrick, A., Lu, H., & Holyoak, K. J. (2014). Generic priors yield competition between independently-occurring preventive causes. *Proceedings of the 36th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
3. **Powell, D.**, Horne, Z., & Pinillos, A. (2013). Semantic integration as a method for investigating concepts. In J. Beebe (Ed.), *Advances in Experimental Epistemology*. London: Bloomsbury Academic.
4. **Powell, D.**, Merrick, A., Lu, H., & Holyoak, K. J. (2013). Generic priors yield competition between independently-occurring causes. *Proceedings of the 35th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

5. **Powell, D.**, Horne, Z., Pinillos, A., & Holyoak, K. J. (2013). Justified true belief triggers false recall of “knowing.” *Proceedings of the 35th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
6. Horne, Z., & **Powell, D.** (2013). More than a feeling: When emotions don’t predict moral judgments. *Proceedings of the 35th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

## Presentations

### Talks

1. **Powell, D.**, Horne, Z., & Hummel, J. E. (2016, Aug.). Toxic beliefs. *The 38th Annual Conference of the Cognitive Science Society*. (Invited)
2. **Powell, D.** (2014, Oct.). What is knowledge? Evidence from semantic integration. *Psychology Department Cognitive Forum, University of California, Los Angeles*. (Invited)
3. **Powell, D.** (2014, Sept.). Parsimony and competition in causal learning. *Psychology department developmental division brown bag, University of Illinois at Urbana-Champaign*. (Invited)
4. **Powell, D.** (2014, Sept.). What is knowledge? Evidence from semantic integration. *Psychology department cognitive division brown bag, University of Illinois at Urbana-Champaign*. (Invited)
5. **Powell, D.**, Merrick, A., Lu, H., & Holyoak, K. J. (2013, Aug.). Generic priors yield competition between independently-occurring causes. *The 35th Annual Conference of the Cognitive Science Society*.
6. **Powell, D.**, Horne, Z., Pinillos, A., & Holyoak, K. J. (2013, Aug.). Justified true belief triggers false recall of “knowing”. *The 35th Annual Conference of the Cognitive Science Society*.
7. Horne, Z. & **Powell, D.** (2012, May). Emotional arousal and moral judgment. *Experiments on Ethical Dilemmas Workshop*. University of London, London, England.
8. **Powell, D.** & Horne, Z. (2010, Dec.). Moral dilemmas re-examined: Are emotions the primary cause of people’s moral judgments? *Graduate Philosophy Conference*. Western Michigan University.
9. **Powell, D.** & Horne, Z. (2010, Nov.). Moral dilemmas re-examined: Are emotions the primary cause of people’s moral judgments? *Building Bridges Conference*. Southern Illinois University.

### Posters

1. **Powell, D.** & Markman, E. M. (2017, August). Encouraging fruit and vegetable consumption through intuitive theory building. *Analogy 2017*.
2. **Powell, D.** & Markman, E. M. (2017, July). Encouraging fruit and vegetable consumption through intuitive theory building. *The 39th Annual Conference of the Cognitive Science Society*.
3. **Powell, D.**, Waldmann, M. R., & Cheng, P. W. (2016). How should autonomous vehicles behave in moral dilemmas? Human judgments reflect abstract moral principles. *The 38th Annual Conference of the Cognitive Science Society*.

4. **Powell, D., & Horne, Z.** (2015, Feb.). Once more with a measure of feeling: Examining the role of emotion in moral judgment. *The 16th Annual Conference of the Society for Personality and Social Psychology.*
5. **Powell, D.** (2014, Nov.). Two's a crowd: Testing dual-systems theories of moral judgment with response-time measures. *The 55th Annual Conference of the Psychonomic Society.*
6. **Powell, D., Merrick, A., Lu, H., & Holyoak, K. J.** (2014, July). Generic priors yield competition between independently-occurring preventive causes. *The 36th Annual Conference of the Cognitive Science Society.*
7. **Powell, D., & Holyoak, K. J.** (2014, Feb.). Are people moral absolutists or moral relativists? *The 15th Annual Meeting of the Society for Personality and Social Psychology.*
8. **Horne, Z., Powell, D., & Spino, J.** (2013, Aug.). Belief updating in moral dilemmas. *The 35th Annual Conference of the Cognitive Science Society.*
9. **Powell, D., & Holyoak, K. J.** (2012, Nov.). Are people moral absolutists or moral relativists? *The 53rd Annual Meeting of the Psychonomic Society.*

## Selected Media Coverage

*Countering antivaccination attitudes*

The New York Times · The Washington Post · The Wall Street Journal · Time · Forbes · Huffington Post · US News and World Report · The Daily Beast · Vox · Arstechnica · Healthydebate.ca

*The love of large numbers: A popularity bias in consumer choice*

BBC Radio · The Toronto Star · The London Times · New York Magazine · Reader's Digest · Lifehacker · Axios · Quartz · Co.Design · The Doctor Will See You Now · The New York Post · The Mirror

## Fellowships and Awards

UCLA Graduate Summer Research Mentorship (\$6,500)	2014
UCLA Graduate Research Mentorship (tuition + \$20,500)	2013 - 2014
National Science Foundation: Graduate Fellowship Honorable Mention	2013
UCLA Graduate Summer Research Mentorship (\$6,500)	2012
Caton Award for Graduate Writing	2012
Edwin W. Pauley Fellowship (tuition + \$36,500)	2011

## Teaching Experience

PSYCH 121 Teaching Assistant · 2 Quarters

*Cognitive Psychology Lab:* Upper-level research methods course focused on cognitive psychological research. Course (25 students) was co-taught by professor and TA, meeting four hours per week for lectures and supervised group work.

PSYCH 120A Teaching Assistant · 3 Quarters (10 lab sections total)

*Cognitive Psychology*: Survey course covering topics in cognitive psychology such as attention, memory, concept learning, and higher-order reasoning. Lab sections (25-30 students) met one hour per week to review lectures and present additional material.

PSYCH 100B

Teaching Assistant · 3 Quarters

*Psychology Research Methods*: Introductory-level research methods requirement for psychology students. Reviewed basic statistical concepts and introduced ANOVA framework, as well as fundamentals of experimental and non-experimental research designs. Final project consisted of novel experimental study conducted by groups of students. Lab section (20 students) met four hours per week for presentation of material, hands-on labs and activities, and supervised group work.

PSYCH 120B

Teaching Assistant · 1 Quarter (4 lab sections)

*Sensation and Perception*: Survey course covering topics in sensation and perception, with a focus on visual and auditory perception. Lab sections (25-30 students) met one hour per week to review lectures and present additional material.

## Professional Service

Ad-hoc Reviewer

Ad-hoc Reviewer

Ad-hoc Reviewer

Ad-hoc Reviewer

Ad-hoc Reviewer

Ad-hoc Reviewer

*Cognitive Science*  
*Experimental Psychology*  
*Journal of Cross-Cultural Psychology*  
*Pediatrics*  
*Psychological Review*  
*Psychological Science*

## References

Available upon request.