

Bob Spunt, Ph.D.

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Research scientist with 12 years' experience using data to understand and predict human behavior

Skills

| | |
|-------------|---|
| Research | Psychometrics, Experimental Design, A/B Testing, Human Subjects Testing (brain imaging, online surveys, performance testing, eyetracking), Presenting, Publishing |
| Statistics | Probability, Hypothesis Testing, Nonparametric, Predictive Modeling, Machine Learning, Data Reduction, Image Processing, Signal Processing |
| Programming | MATLAB, Python, Unix Shell, Git, SQL |

Experience

Research Scientist

2005-Present

UCLA (PhD: 2005-2011; Postdoc: 2011-2012)

Caltech (Postdoc: 2012-2017; Consultant: 2017-Present)

- Conducted basic scientific research testing theories of human social and emotional behavior and using advanced experimental methods from psychology, statistics, and cognitive neuroscience, including functional magnetic resonance imaging (fMRI)
- Applied research to understand neural basis of individual differences in social skills in healthy adults, high-functioning adults with autism, and patients with focal brain damage
- Authored 26 peer-reviewed papers (19 empirical reports) in prestigious scientific journals including Nature Reviews Neuroscience, Proceedings of the National Academy of Science, Journal of Neuroscience, and Psychological Science. Impact metrics: 860 citations; average of 178 citations/year for last 3 years (retrieved from Semantic Scholar on June 16, 2017)
- Presented data in 30+ talks/posters to international audiences at conferences and colloquia
- Highly collaborative research environment, with teams ranging in size from 4 to 10+
- Mentored and supervised 5 summer undergraduate research fellows and 12 research assistants

Independent Software Developer

2010-Present

- Developed standalone Windows and MacOS applications for automated SAT test scoring and data reporting for CollegeSpring, Inc. Wrote manual and provided end-user support
- Maintain 30+ GitHub repositories containing open-source software (mostly MATLAB) for designing experiments and analyzing data from psychology/neuroscience research

Instructor

2006-Present

- 2006 to 2011: Co-taught 2 graduate and 11 undergraduate courses in Psychology and Research Methods at UCLA; received Distinguished Teaching Award from the Department of Psychology
- 2013: Wrote and taught data analysis in MATLAB labs for graduate students, postdocs, and junior faculty attending the University of Michigan Summer Training Course in fMRI. Materials can be viewed as HTML docs: bobspunt.com/resources/teaching

Education

Ph.D., Social Neuroscience, University of California, Los Angeles (UCLA)

2011

Bachelor of Arts, Psychology & Rhetoric, University of California, Berkeley

2003