Dr. Nathaniel David Phillips

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OBJECTIVE

Use data, analytics, and visualisations to solve problems, generate insights, make predictions, and tell compelling stories.

EDUCATION

Ph.D. Experimental Psychology, University of Basel — Oct 2011 – Sep 2014

Decision making, wisdom of crowds, reinforcement learning

M.S. Experimental Psychology, Ohio University — Aug 2006 – Sep 2011

Statistics and quantitative psychology

B.A. Mathematics, Grinnell College, Iowa — Jul 2001 – Jun 2005

Mathematical and applied statistics

RESEARCH EXPERIENCE

University of Basel: Researcher. — Feb 2016 – Present

University of Konstanz: Post-Doctoral Researcher. — Sep 2014 – Jan 2016

Max Planck Institute for Human Development: Doctoral Researcher. — May 2012 – Sep 2014

WORK EXPERIENCE

Marketing Statistician , Musicians Friend, Medford, Oregon, USA — Jul 2005 – Jul 2006
Segmented customers and predicted future sales. Tested marketing campaigns.

PUBLICATIONS (SELECTED)

Phillips, N. D., Hertwig, R., Kareev, Y., & Avrahami J. (2014). Rivals in the dark: How competition influences search in decisions under uncertainty. *Cognition, 133(1)*, 104-119.

Gonzalez-Vallejo, C., Cheng, J., Phillips, N. D., Chimeli, J., Bellezza, F., Harman, J., & Lindberg, M. J. (2013). Early positive information impacts final evaluations: No deliberation-without-attention effect and a test of a dynamic judgment model. *Journal of Behavioral Decision Making, 27(3)*, 209-225.

Gonzalez-Vallejo, C.,& Phillips, N. D. (2010). Predicting soccer matches: A reassessment of the benefits of unconscious thinking. *Judgment and Decision Making, 5(3)*, 200-206.

Lassiter, G. D., Lindberg, M. J., Gonzalez-Vallejo, C., Bellezza, F., F. S., & Phillips, N. D. (2009). The deliberation-without-attention effect: Evidence for an artifactual interpretation. *Psychological Science 20(6)*, 671-675.

BOOK AND R PACKAGES ON CRAN

YaRrr! The Pirate's Guide to R – pre-publication ebook: http://www.thepiratesguidetor.com
yarrr: Create pirateplots and conduct R piratery
FFTrees: Create, visualize, and compare fast and frugal decision trees

INVITED TALKS (SELECTED)

Society for Probability, Utility and Decision Making (Budapest, 2015; Barcelona, 2013; Kingston, 2011) Society for Judgement and Decision Making (Minneapolis, 2012; Seattle, 2011; St. Louis, 2010) Society for Mathematical Psychology (Potsdam, 2013; Boston, 2016)

TEACHING EXPERIENCE

Data analysis and visualization in R. Information search and adaptive decision making. Research methods. Intermediate statistics for the social sciences.

ANALYTIC SKILLS

Decision trees, general linear model, multivariate statistics, machine learning, cognitive modeling, Bayesian hypothesis testing and parameter estimation.

PROGRAMMING SKILLS

R, Matlab, Python, LaTeX, HTML, JavaScript, SPSS, Excel

WEBSITES

Personal Homepage: http://www.nathanieldphillips.com, **Research Gate**: http://goo.gl/7fzUaG, **Google Scholar**: http://goo.gl/di3mI3 **LinkedIn**: https://www.linkedin.com/in/nathanieldphillips

PERSONAL

U.S. Citizen, Intermediate German.