

Danni Bayn

Research Psychology



Summary

Accomplished scholar with expertise in statistical analysis, research methodology, computer programming, and classroom instruction.

Experience

Research Analyst, Capella University (2006-present).

- Designed curricula and assessments for online courses.
- Performed statistical analyses via SPSS.

Graduate Researcher, University of Minnesota (2002-present).

- Designed and executed original research experiments.
- Gathered and analyzed experimental data.
- Composed academic papers for publication.

Intern, Honeywell Technology Labs (2001-2005).

- Analyzed research data and prepared reports for management.
- Wrote data analysis and user interface programs for various projects.
- Contributed to several research publications.

NIH Trainee Fellowship, University of Minnesota (1999-2002).

- Conducted original research in cognitive psychology and public policy.
 - Presented findings to colleagues and conferences.
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Research

Rhyme or Reason: The Neuropsychology of Cheater Detection

- A physiological comparison of theories proposed to explain the performance enhancing effects of narratives on the Wason Selection Task.
- Ph.D. Dissertation (in progress).

The Effects of Confidence on Test Scores

- Developed a Perl program for the analysis of confidence self-reports, with the goal of improving teaching strategies and test designs.
- Research assistant to Prof. Bill Fox.

Recall of Logical Derivations

- Designed and executed an empirical experiment with human subjects.
- Demonstrated that causal connections enhance recall of logical derivations.

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- Principle investigator, in conjunction with Prof. Randy Fletcher.

Creating Fraud

- Examined the strategies people use to create and detect financial fraud.
- Contributed to the development of software to support the experiment.
- Research assistant to Prof. Paul Johnson.

Airline Flight Dispatchers & AWIN

- Tested pilots' performance using a new flight control system, compared to current flight planning tools and meteorological sources.
- Intern, Honeywell Technology Labs.

Cross Cultural Study on the Pilot-Centered Avionics Interface

- Developed experiment interface and data analysis programs in Perl.
- Intern, Honeywell Technology Labs.

Driving Simulation Study

- Developed data analysis programs.
- Intern, Honeywell Technology Labs.

Teaching

Instructor - Intro. to Decision Making, University of Minnesota, 2004.

Instructor - Intro. to Cognitive Psychology, University of Minnesota, 2003.

Section Leader - Intro. to Social Psychology, University of Minnesota, 2000.

Tutor - Psychology, Philosophy, Calculus, Physics, & Statistics, 1997-2001.

Computer Skills

Expert - Perl, HTML, Windows, MS Office Suite, Linux, TK, Photoshop, Dreamweaver, Web Design, Palm OS Systems and Palm OS Programs.

Intermediate - C++, Scheme, Mac OS, Unix, Java, Visual Basic.

Education

Ph. D. - Cognitive Psychology, University of Minnesota (ABD).

B. A. - Psychology & Philosophy, University of Minnesota (1999).



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References available upon request.