

J. Gregory (Greg) Hixon
2123 Sage Creek Loop
Austin, TX 78704
Phone: (512) 750-4454
Email: j.g.hixon2@att.net

Education

B.A. (1986)
Case Western Reserve University
Cleveland, OH
Major fields: Economics and Psychology (dual major)
Minor: Astrophysics
Magna Cum Laude with honors in Economics

Ph.D. (1991)
University of Texas
Austin, TX
Major field: Social Psychology
Specialization: Statistics (M.S. equivalent)

Significant Academic Awards and Honors

Ohio Board of Regents Scholar (1982-1986)
National Merit Scholar (1982-1986)
Andrew Squire Scholar (full tuition) at Case Western Reserve Univ. (1982-1986)
National Science Foundation Pre-doctoral Fellow (1987-1990)

Qualifications

- Extensive graduate level training in mathematical statistics, augmented by subsequent professional development coursework
- More than a decade of experience successfully applying advanced mathematical and statistical techniques to the analysis of data in a wide variety of settings
- Excellent communication skills honed through years of mathematical/statistical consultation with people of diverse backgrounds and skillsets
- Highly-rated teaching experience at both the University of Texas and the University of Connecticut
- Extensive familiarity with the methodological and analytic needs of faculty, staff, and students at a major research university

Professional Positions

Principal, HXN Analytics (concurrent with other positions from 1994-present)

Founded and continue to operate a privately-funded research enterprise focused on the development and successful application of non-linear dynamic systems used for the analysis of investment market data.

Professional Positions, continued

Lecturer in Statistics, University of Texas at Austin (2004-present)

Teach four graduate-level statistical analysis classes: Experimental design (ANOVA, including multi-factor designs and analysis of covariance), Regression analysis, Advanced Applications (non-linear regression, robust analysis, mixed-model regression, and PCA/factor analysis), and Advanced Applications II (non-parametric regression, categorical data modeling, resampling and permutation techniques, time series analysis, and structural equations modeling). Provide consulting services to faculty and graduate students on projects requiring special statistical/methodological expertise.

Senior Research Analyst, Texas Legislative Council (2003-2004)

Served as a senior analyst for the research arm of the Texas Legislature, applying highly-advanced research methodologies and analytic tools to the process of addressing -- in easily understood language -- issues with major policy and legislative implications for the state of Texas.

Director of the Quantitative Analysis and Systems Integration section, Texas Department of Human Services (1999-2003)

Core responsibilities involved planning and directing complex sample selection, data collection, and analysis systems associated with the agency's Quality Control efforts, including the development of a neural network risk modeling system to enhance the accuracy of benefit delivery. Additional responsibilities included serving as a resource to other agency divisions and other agencies on projects requiring special expertise in advanced mathematical analysis and/or quantitative research methods.

Supervisor of the Program Integrity Analysis and Reporting unit, Texas Department of Human Services (1997-1999)

Responsibilities included overseeing systems and staff charged with the quantitative analysis and reporting of Quality Control error rates and associated information. Personally responsible for developing complex sampling protocols for a variety of state and federally-mandated efforts, providing sample size estimates, developing quantitative forecasts of error trends, and designing other products requiring the use of sophisticated quantitative techniques.

Supervisor of the CSS Program Analysis and Reporting unit, Texas Department of Human Services (1994-1997)

Responsibilities included overseeing systems and staff charged with conducting time studies and other work measurement projects to determine necessary staffing levels, workload expectations, and performance enhancement strategies. Responsible for providing monthly CSS program performance reports. Personally provided methodological and statistical support on various CSS projects requiring special methodological/statistical/mathematical expertise.

J. Gregory Hixon

page 3

Research Specialist, Texas Department of Human Services (1993-1994)

Designed and conducted research evaluations of various state office/regional initiatives and prepared reports of findings. Provided consultation and other assistance on the design and execution of projects conducted by other groups that required special statistical/mathematical expertise.

Assistant Professor, University of Connecticut (1991-1993)

Conducted program of research within the psychology department at the University of Connecticut as a full-time tenure-track professor. Taught statistics, research methods, and social psychology at both the undergraduate and graduate levels. Performed a variety of related administrative duties, such as serving on various departmental and university committees (e.g., the department's graduate admissions committee).

Publications and Presentations

Fellows, M.D., Hixon, J.G., Slatcher, R.B., and Pennebaker, J.W. (2008). Assessing optimal sampling strategies for measuring real-world behavior. Manuscript submitted for publication.

Swann, W.B., De La Ronde, C., and Hixon, J.G. (1994). Authenticity and positivity strivings in marriage and courtship. *Journal of Personality and Social Psychology* 66 (5): 857-869.

Hixon, J.G., Swann, W.B. (1993). When does introspection bear fruit? Self-reflection, self-insight, and interpersonal choices. *Journal of Personality and Social Psychology* 64 (1): 35-43.

Swann, W.B., Hixon, J.G., and De La Ronde, C. (1992). Embracing the bitter truth -- Negative self-concepts and marital commitment. *Psychological Science* 3 (2): 118-121.

Gilbert, D.T., and Hixon, J.G. (1991). The trouble of thinking -- Activation and application of stereotypic beliefs. *Journal of Personality and Social Psychology* 60 (4): 509-517.

Swann, W.B., Hixon, J.G., Stein-Seroussi, A., et al. (1990). The fleeting gleam of praise -- Cognitive processes underlying behavioral reactions to self-relevant feedback. *Journal of Personality and Social Psychology* 59 (1): 17-26.

Delivered numerous invited presentations and participated in discussion panels in association with my work in time-series forecasting (primarily caseloads and workload demand) and in association with my work in neural network and other non-linear, non-parametric approaches to risk modeling.