

Michael Scott Gates
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EDUCATION

University of North Texas, TX
Ph.D. in Experimental & Quantitative Psychology 2011
Dissertation: "Devaluing Stigma in the Context of Forgiveness, Coping and Adaptation: A Structural Equations Model for Cognitive Appraisal"
Area of Concentration: Statistics Minor: Psychometrics

University of North Teas, Denton, TX
M.S. Information & Decision Science 2002

University of North Texas, Denton, TX
B.A. Honors in Psychology 2008
Areas of Concentration: Quantitative Analysis

Texas Tech University, Lubbock, TX
B.S. Honors in Biology 1994
Areas of Concentration: Biology
Minor: English

AWARDS

- Cum Laude, University of North Texas 2008
 - Distinguished Graduate Student, University of North Texas 2002
 - Howard Hughes Undergraduate Research Fellow 1992 – 1994
 - Distinguished Undergraduate Biology Student, Texas Tech University 1994
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WORK EXPERIENCE

Health & Human Services, Office of Inspector General, Dallas, TX
Program Analyst 2011 - Present
Conduct research that is national in scope to evaluate the effectiveness and efficiency of HHS programs and produce high-impact and high-quality public reports. Address current health policy concerns and contribute to the success of many programs designed to serve our Nation's most vulnerable citizens.

Information Systems Research Center (ISRC), UNT, Denton, Texas
Researcher 2003 - 2004
Worked on grant for Executive Office of the President of the United States (EOP) developing "best-practices" for information system architecture.

United States Navy Reserves, Operation Enduring Freedom
Intelligence Analyst 2001 - 2002
Watch Officer and Intelligence Dissemination Manager tasked with developing a counter-terrorism intranet and producing statistical models used in force protection and management.

TEACHING EXPERIENCE (TEXAS EDUCATION AGENCY 8-12 MATHEMATICS CERTIFICATION)

University of North Texas, Department of Psychology

Teaching Fellow – PSYC 2917 Statistics; PSYC 2950 Quantitative Research Methods; PSYC 3630 Modern Measurement Theory **2009 - Present**
Developed syllabus and overall course structure, and administered all grades.

Teaching Assistant – PSYC 1630 General Psychology; PSYC 4610 Abnormal Psychology; PSYC 4520 Personality Theory; PSYC 2580 Health Psychology **2008 - 2010**
Prepared course materials, taught lectures, administered exams.

Carrollton Farmers Branch ISD, Carrollton, Texas

Mathematics/Science Teacher – Algebra/Geometry/General Science **1997 - 1998**
Developed lesson plans and course structures, including mathematics tutoring, and laboratory exercises, implemented TEKS for all courses, and administered all grades.
Certified Mathematics Teacher, 8-12, Texas Education Agency.

PUBLICATIONS AND PAPERS (PEER REVIEWED JOURNALS)

- Nimon, K., Henson, R. K., & Gates, M. (2010). Revisiting Interpretation of Canonical Correlation Analysis: A Tutorial and Software Solution for Canonical Commonality Analysis. *Multivariate Behavioral Research*, 45: 4, 702-724.
- Ryan, S. D. & Gates, M. S. (2004). Inclusion of social subsystem issues in IT investment decisions: An empirical assessment. *Information Resources Management Journal*; Jan-Mar 2004; 17, 1.

RESEARCH INTEREST

- Analyzing the effects psychosocial variables have on long-term illness using structural equation modeling and item response theory to develop/test underlying measures across populations.
- Advanced statistical methods such as bootstrapping and monte carlo simulation models aimed at evaluating modern measurement problems, test theory, and validation techniques.

MEMBERSHIPS

- American Psychological Association
- Association of Psychological Science