

# GREGORY K. MILLER

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## EDUCATION

**Ph. D:** May, 1996  
**Southern Methodist University**  
Dallas, Texas 75275  
Major: Statistics, Dissertation: Estimation for Renewal Processes with Unobservable Interarrival Times  
Advisor: U. Narayan Bhat, Dean of Research and Graduate Studies and Professor, Department of Statistical Science, SMU.

## PROFESSIONAL EXPERIENCE (16 Years Statistical Consulting Experience)

**Sole Proprietor, Owner** 2015 - Present  
**East Texas Statistical Services** (Focus: statistical consulting, health and nursing analytics)

**Stephen F. Austin State University (21 Years in Higher Education)** 2008 (Fall) - Present  
**Professor of Statistics, Department of Mathematics and Statistics**  
(Promoted: July, 2008)

**Stephen F. Austin State University** 2002 (Fall) – 2008 (Summer)  
**Associate Professor of Statistics, Department of Mathematics and Statistics**  
(Tenured & Promoted: July, 2002)

**Stephen F. Austin State University** 1997 (Fall) - 2002 (Summer)  
**Assistant Professor of Statistics, Department of Mathematics and Statistics**

**Mississippi State University** 1996 (Fall) - 1997 (Summer)  
**Assistant Professor of Statistics, Department of Mathematics and Statistics**

## UNIVERSITY AWARDS (5, select listed)

(2012) Faculty Advisor to the recipient of the William R. Johnson Most Outstanding Thesis  
(2010) SFASU Foundation Faculty Achievement Award For Research

## BOOKS (4, all listed)

(2014) Miller, G.K., *Case Study Manual: MTH 220 – Introduction to Probability & Statistics*, locally published.  
[lead author on locally produced manual of case studies delivered in SFA's introductory statistics course]

(2006) Miller, G.K., *Probability: Modeling and Applications to Random Processes*, Wiley: New York.  
[junior/senior level calculus-based undergraduate textbook]

(2003) Miller, G.K., *Probability and Statistics Across the TEKS*, A TexTeams Professional Development Institute.  
Funding provided by the Dana Center, The University of Texas at Austin. (w/ Adams, J., Childs, K., and Pace, D.)  
[aimed at middle & high school mathematics teachers]

(2002) Miller, G.K., *Elements of Applied Stochastic Processes, 3<sup>rd</sup> Edition*. Wiley: New York. (w/ Bhat, U.N.)  
[graduate level textbook]

## RESEARCH PAPERS (10+, select listed)

(2017) Miller, G.K. (w/ Donnell, W and Walker, G.) Statewide At Risk Tracking and Intervention for Nurses: Identifying and Intervening with Nursing Students At Risk of Attrition in Texas, accepted to *Nursing Education Perspectives*

(2011). Miller, G.K. (w/ Walker, G., Klotz, L., Martin, P. and others), A Regional Academic Partnership for the Early Identification and Retention of At-Risk Nursing Students, *Journal of Professional Nursing*, 27(6) e8-e13.

(2007). Miller, G.K. (w/ Fridell, S.), A Forgotten Discrete Distribution? Reviving the Negative Hypergeometric Model, *The American Statistician*, 61, 347-350.

## GRANTS & CONTRACTS (11, Including Statistical Consulting On Grants, select listed). 7 Grants as Lead Statistician in Health Care/Nursing Fields

**Total Award Amount for All Funded Projects: \$4,762,844**

**Total Budgetary Responsibility for all Funded Projects: Approximately \$349,800**

(2010-2013) "Statewide At-Risk Tracking and Intervention for Nurses (SATIN), Texas Higher Education Coordinating Board (\$3,000,000 total outlay, \$300,000 to SFA, \$100,000 in Consulting). [First Ever State Extension of THECB Health Related Grants, Consulting for 29 universities and colleges across Texas, sole provider of statistical support]

(2010-2013) [Lamar University] "Students Understanding Core Content Essential for Success in School (SUCCESS), (\$258,086, \$12,800 in Consulting), Texas Higher Education Coordinating Board Replication Grant. [Consultant to Eileen Curl, Chair of Nursing, Lamar University, replication of NEC4]

(2009-2010) "Interventions with Re-Defined 'At-Risk' Nursing Students (RDAR)", The Texas Workforce Commission (\$162,657, \$22,141 in Consulting) [One year continuation of NEC4 funded by TWC, consulting for 10 universities and colleges across East and Central Texas, subcontract from Texas Tech University]

**Presentations: 62**

**Course Development or Restructures: 5**

**Master's Thesis Supervised: 8**

**M.S. Oral Exam Committees Chaired: 16**

**M.S. Oral Exam Committees Served On (Math/Stat): 23**

**M.S./PhD Oral Exam Committees Served On (Other Departments): 28**

**Total Number of Students Served Via Thesis/PhD Committee: 75**

## CONSULTING

**Sole Proprietor, Owner: East Texas Statistical Services** 2015 – Present  
Health Care & Nursing Analytics, Legal Consulting, Graduate Student Assistance, General Statistical Consulting

**Stephen F. Austin State University** 2000– 2013

**Director, Statistical Consulting Center**

**Formal Recognition as a University Center: 2010-2013**

Consultant to university faculty and off-campus industries. Aid faculty in statistical analysis, statistical computing and report writing.