

**CHERYL KAY, PhD.**

**817 Remington Park**

**Waco, Texas 76706**

**(254) 662-9757**

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**EDUCATION**

**Doctor of Philosophy**

University of North Texas, Denton, TX, December 2004  
Major: Educational Research and Statistics  
GPA: 4.0

**Master of Science**

Baylor University, Waco, TX, December 1995  
Major: Mathematics, Concentration: Statistics  
GPA: 3.77

**Bachelor of Science**

University of Texas at San Antonio, San Antonio, TX, August 1994  
Major: Mathematics, Concentration: Statistics  
Overall GPA: 3.55/Major: 4.0

**EMPLOYMENT HISTORY**

08/00-Present

**Baylor University, Waco, TX**

*Senior Lecturer of Quantitative Business Analysis*

- ❖ Teach courses in Quantitative Business Analysis and Computer Applications for the Department of Information Systems and Business Analytics within the Hankamer School of Business. Responsible for the teaching of about 320 students per year (including summer school). Also teach Managerial Epidemiology for Baylor's MBA in Healthcare Administration Program.
- ❖ Faculty Sponsor/Advisor of the Zeta Tau Alpha sorority and the Chi Women's Service organization

*Manager of Accreditation Data*

- ❖ Serve as a liaison between the Hankamer School of Business and the University SACS Committee. Primary duties include data collection, analysis, reporting and editing of data.
- ❖ Help coordinate and educate faculty on AACSB Assurance of Learning for our reaccreditation process.
- ❖ Assisting with the development of a Faculty Database to aid with AACSB and SACS reporting.
- ❖ Assist with AACSB reporting.
- ❖ Assist with survey reporting (EBI, Newsweek, Business Week, etc.)

08/99-05/00

**Baylor University, Waco, TX**

*Lecturer of Mathematics and Statistical Science*

- ❖ Teach courses in pre-calculus, business math, business calculus, statistics, and ideas in mathematics.
- ❖ Working on publications in the areas of mathematical modeling and statistics.

08/96-05/99

**Highland Park ISD, Dallas, TX**

*Mathematics Teacher/Student Council Advisor*

- ❖ Teach courses in Algebra I, II and pre-calculus.
- ❖ Planned and developed current Algebra II curriculum at the high school.
- ❖ Plan master schedule for all mathematics courses.
- ❖ Evaluate effectiveness of current math programs, academic centers, and math department goals at the high school.
- ❖ Serve as advisor to a Student Council of 35 students. Assist the council in creating leadership and community service opportunities for all students.

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08/95-05/96

**Baylor University, Waco, TX**

*Math Instructor*

- ❖ Taught a course on finite mathematics and calculus to business students.

01/96-08/96

*Grant Assistant*

- ❖ Assisted primary researcher in developing statistical surveys and analyzing data for the Partner's Grant, a project funded by TEA to reorganize the pre-service teacher education program at Baylor University.

08/94-08/95

*Graduate Teaching Assistant*

- ❖ Taught a course in business mathematics.
- ❖ Tutored students in various undergraduate math courses.
- ❖ Assisted professors in course evaluation and assessment.

01/94-05/94

**University of Texas at San Antonio, San Antonio, TX**

*Research Assistant*

- ❖ Performed data collection and statistical analysis on a grant project funded by Humana Hospital. Results provided justification to help Humana attain accreditation from the National Commission for Quality Assurance.

**COMMUNITY**

- ❖ Serve on the Robinson Primary/ Elementary School Executive PTA Board. Duties include serving as Vice President of Membership, Parliamentarian and Treasurer. I regularly volunteer at all functions and at the school. Our PTA fundraiser allowed us to donate over \$23,000 to our schools this year.
- ❖ Attend St. Mary's Catholic Church
- ❖ Regularly volunteer or donate to numerous endeavors sponsored by Baylor University such as Race for the Cure, Shoes for Souls, Santa's Workshop, and others around the community like Shoebox Christmas and Food for Families.

**AWARDS**

- ❖ Outstanding Doctoral Student in Educational Research, University of North Texas, 2005
- ❖ University of North Texas Outstanding Dissertation Award for outstanding expression in research and scholarship, 2005

**INTELLECTUAL  
CONTRIBUTIONS**

- ❖ Kay, C.A., Schumacker, R. Parameter Recovery in Factor Analysis: SEM vs IRT. *Journal of Educational Measurement (JEM)*, submitted for review.
- ❖ Presentation at AERA Annual Meeting, "Parameter Recovery in Factor Analysis: SEM vs IRT," American Educational Research Association, Chicago. (April 2007).