

CURRICULUM VITAE

Martin Sternstein

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Educational Background

Received the B.S. degree and graduated with honors from the University of Chicago, 1966.

National Science Graduate Fellow for four years and received the Ph.D. degree in the Field of Mathematics from Cornell University, 1971.

Teaching Experience

Have taught full range of courses including remedial math, precalculus, finite math, business calculus, concepts of math, calculus (I,II,III,IV), statistics, modern geometry, topology, analysis, linear algebra, abstract algebra, algebraic topology, differential equations, data processing, computer programming, math for liberal arts students, and Math in Africa. Also taught the first U.S. course for college credit in chess theory.

Positions Held

Ithaca College, Ithaca, NY, Assistant Professor 1970-74, Associate Professor 1974-83, Professor 1983--, Mathematics Department Chairman 1972-76, 1981-83.

College of the Virgin Islands, St. Croix, Visiting Professor and Head of Math Dept 1978-79.

University of Liberia, Monrovia, Liberia, Fulbright Professor and Mathematics Department Chairman 1979-80, 1983-84.

Honors and Awards

Pi Mu Epsilon, 1972

Fulbright Senior Scholar Award, 1979-80, 1983-84

Phi Kappa Phi, 1989

Dana Teaching Awards, 1981, 1986, 1989

Lodestar award on "Geographical Information Systems," (with Confer, Novak, and Yurekli) 1994

INPUT Award for one of top 20 innovative programs using technology, Central Michigan University NSF Project, (with Novak and Yurekli), 1996

Ithaca College Excellence in Teaching Award, 2000

3M Foundation Vision Grant to run summer workshop for minority students, 2000-03

NSF – CSEMS grant to increase minority participation in math/cs program, Co-PI, 2003.

Professional Activities over past 20 years

“Notes on Mathematics and the Dan Language,” presentation at 23rd Annual Conference on African Linguistics, East Lansing, March 1992.

“Mathematics and the Fulbright Experience,” presentation at the Seaway Section, Mathematical Association of America, Binghamton, April 1993.

EZ-101 Statistics, Barron’s Educational Series, Inc., 1994, Second Edition, 2005.

Statistics (Barron’s College Review Series), Barron’s Educational Series, Inc., 1996.

“A Capstone Course for the Mathematics Major,” presentation (with Yurekli) at Eleventh Annual International Conference on Technology in Collegiate Mathematics, New Orleans, November 1998.

AHANA (African, Hispanic, Asian, and Native American college students in Central New York) annual meeting, invited speaker, 1998.

AP Statistics, Barron’s Educational Series, Inc., 1998. Second Edition, 2000, Third Edition, 2004, Fourth Edition, 2007.

“Technology Integrated into Pre-Calculus and Calculus Classes,” presentation (with Yurekli) at Twelfth Annual International Conference on Technology in Collegiate Mathematics, San Francisco, November 1999.

Semiannual mathematics workshops, Frederick Douglass Academy, 1999--.

TEAM (Technology, Empowerment, and Modeling) summer honors program for minority high school students, Director, 2000–2003.

“Equity and Outreach in Mathematics,” presentation at AMS-MER Workshop on *Excellence in Undergraduate Mathematics*, Anchorage, September 2003.

“Mathematics in Different Cultures,” presented to the *Ithaca Saturday Academy*, January 2004.

“Strategies for Teaching Data Analysis,” workshop presented to Baltimore County School District, Baltimore MD, February 2004.

“Mathematics for the Returning (Older) High School Student,” Satellite Academy Forsyth, New York, March 2004.

“Ethnomathematics for the Middle School Student,” East Harlem School, New York, March

2004.

“Simpson’s Paradox,” Frederick Douglass Academy, New York, March 2004.

“Statistics Activities for the High School Student,” Thurgood Marshall Academy, New York, March 2004.

Reader for AP Statistics, Lincoln, NE, June 2004.

“Strategies for Teaching Accumulation,” workshop presented to Stafford County School District, Stafford, VA, October 2004.

“Poetry and Mathematics,” Satellite Academy Forsyth, New York, October 2004.

“Strategies for Teaching Accumulation,” workshop presented to Anne Arundel County School District, Gambrills, MD, December 2004.

“Scoring the AP Statistics Exam,” Frederick Douglass Academy, New York, March 2005.

“Probability in the Real World,” Satellite Academy Forsyth, New York, March 2005.

“Math and Kinship Patterns,” East Harlem School, New York, March 2005.

“Strategies for Teaching Chance, Variation, and Probability,” workshop presented to Anne Arundel County School District, Annapolis, MD, March 2005.

“Hands-on Probability,” presented to the *Ithaca Saturday Academy*, March 2005.

Reader for AP Statistics, Lincoln, NE, June 2005.

“Strategies for Teaching Data Analysis,” workshop presented for New York City Board of Education, NYC, NY, June 2005.

“Strategies for Teaching Data Analysis,” workshop presented to St. Mary’s County School District, Lexington Park, MD, June 2005.

“Strategies for Teaching Data Analysis,” workshop presented to Orange County School District, Orlando, FL, July 2005.

“Strategies for Teaching Data Analysis,” workshop presented to Anne Arundel County School District, Glen Burnie, MD, July 2005.

“Pre-AP: Strategies in Mathematics -- Helping Students Learn Mathematics Through Problem Solving,” two-day workshop presented to Yonkers School District, Yonkers, NY, August 2005.

“Pre-AP: Topics for AP Vertical Teams in Math,” workshop presented to Yonkers School District, Yonkers, NY, August 2005.

“Strategies for Teaching Data Analysis,” workshop presented to Rockford County School District, Rockford, IL, October 2005.

“Strategies for Teaching Data Analysis,” workshop presented to Baltimore County School District, (Middle school teachers), Timonium, MD, November 2005.

“Pre-AP: Advanced Topics for AP Vertical Teams in Math,” workshop presented to Yonkers School District, Yonkers, NY, November 2005.

“Strategies for Teaching Data Analysis,” workshop presented to Baltimore County School District, (High school teachers), Timonium, MD, November 2005.

“Strategies for Teaching Data Analysis,” workshop presented for New York City Board of Education, NYC, NY, December 2005.

“Strategies for Teaching Data Analysis,” workshop presented for District of Columbia Board of Education, Washington, DC, February 2006.

“Pre-K through 12th grade topics for AP Vertical Teams in Math,” workshop presented to Yonkers School District, Yonkers, NY, March 2006.

“Descriptive problems on the AP Statistics Exam,” Frederick Douglass Academy, New York, March 2006.

“Series problems on the AP Calculus Exam,” Frederick Douglass Academy, New York, March 2006.

“Social justice math,” Satellite Academy Forsyth, New York, March 2006.

“Understanding the world through math,” *Ithaca Saturday Academy*, April 2006.

Reader for AP Statistics, Lincoln, NE, June 2006.

“Strategies for Teaching Data Analysis,” workshop presented to St. Mary’s County School District, Morganza, MD, June 2006.

“Developing Algebraic Thinking,” workshop presented to St. Mary’s County School District, Morganza, MD, June 2006.

“Pre-AP: Strategies in Mathematics -- Helping Students Learn Mathematics Through Problem Solving,” two-day workshop presented to Frederick County School District, Walkersville, MD, July 2006.

“Developing Algebraic Thinking,” workshop presented to Rochester School District, Rochester, NY, August 2006.

“Developing Algebraic Thinking,” workshop presented to Macon School District, Macon, GA, August 2006.

“Pre-AP: Advanced Topics for AP Vertical Teams in Math,” workshop presented to Decatur School District, Decatur, IL, October 2006.

“Pre-AP: Advanced Topics for AP Vertical Teams in Math,” workshop presented to Chicago School District, Chicago, IL, October 2006.

“Math in Africa,” invited talk at Lafayette College, Easton, PA, October 2006.

“The Multicultural Math Classroom,” presented at the RCSD Math Conference, Rochester, NY, November 2006.

“Reflections of an Old Math Teacher,” Ithaca College, Ithaca, NY, February 2007.

“Preparing for the AP Statistics Exam,” two-day workshop presented to Baltimore School District, Baltimore, MD February 2007.

“Preparing for the AP Statistics Exam,” Frederick Douglass Academy, New York, March 2007.

“Preparing for the AP Calculus Exam,” Frederick Douglass Academy, New York, March 2007.

“Vertical Teams in Math Education,” Frederick Douglass Academy, New York, March 2007.

“Social Justice Mathematics,” Satellite Academy Forsyth, New York, March 2007.

“Social Justice Mathematics,” East Harlem School, New York, March 2007.

“Multicultural Mathematics,” Cornell University, Ithaca, NY, March 2007.

“Strategies for Teaching Data Analysis,” workshop presented to Yonkers School District, Yonkers, NY, March 2007.

“Strategies for Teaching Chance, Variation, and Probability,” workshop presented to Yonkers School District, Yonkers, NY, April 2007.

Reader for AP Statistics, Louisville, KY, June 2007.

“Vertical Teams” and “Data Analysis,” three-day workshop presented to Kent County School District, Woodside, DE, June 2007.

“Pre-AP: Topics for AP Vertical Teams in Math,” workshop presented to Baltimore City School District, Baltimore, MD, June 2007.

Commencement talk, East Harlem School, New York, NY, June 2007.

“Strategies for Teaching Data Analysis,” workshop presented to Chicago City School District, Chicago, IL, June 2007.

“Strategies for Teaching Accumulation,” workshop presented to Inver Grove Heights School District, Inver Grove Heights, MN, June 2007.

“Strategies for Teaching Data Analysis,” workshop presented at Chesapeake College, Wye Mills, MD, June 2007.

Steering Committee, AP Annual Conference, Las Vegas, NV, July 2007.

“Vertical Teams,” “Data Analysis,” and “Accumulation,” four-day workshop presented to North Penn School District, Lansdale, PA, August 2007.

“The AP Statistics Curriculum,” presented to Baltimore City School District, Baltimore, MD, September 2007.

AP Calculus and AP Statistics week-long workshop, Frederick Douglass Academy, New York, October 2007.

“Math in Africa,” presented at Choate Rosemary Hall, Wallingford, CT, October 2007.

“Starting an AP Statistics program,” Yonkers School District, Yonkers, NY, November 2007.

“Developing Algebraic Thinking,” workshop presented in Boca Raton, FL, November 2007.

“Starting an AP Statistics program II,” Yonkers School District, Yonkers, NY, December 2007.

“Teaching *Inference* in AP Statistics,” presented to Baltimore City School District, Baltimore, MD, December 2007.

“Strategies for Teaching Data Analysis,” workshop presented to Baltimore City School District, Baltimore, MD, January 2008.

“Teaching AP Statistics I,” 3-day workshop, Yonkers School District, Yonkers, NY, February 2008.

“The AP Statistics Exam,” Frederick Douglass Academy, New York, March 2008.

“The AP Calculus Exam,” Frederick Douglass Academy, New York, March 2008.

“Teaching AP Statistics II,” 3-day workshop, Yonkers School District, Yonkers, NY, February 2008.

“What’s Multicultural About Mathematics,” Cornell University, Ithaca, NY, March 2008.

“Teaching AP Statistics III,” 3-day workshop, Yonkers School District, Yonkers, NY, April 2008.

“Math in Africa,” The Saturday Academy, Ithaca, NY, April 2008.

Reader for AP Statistics, Louisville, KY, June 2008.

“Developing Algebraic Thinking,” workshop presented at Chesapeake College, Wye Mills, MD, June 2008.

“Strategies for Teaching Rate,” workshop presented at Chesapeake College, Wye Mills, MD, June 2008.

“AP Statistics,” three-day workshop, Yonkers School District, Yonkers, NY, June-July 2008.

Steering Committee, AP Annual Conference, Seattle, WA, July 2008.

“Developing Algebraic Thinking,” workshop presented in Tuscaloosa, AL, August 2008.

“The AP Statistics Exam,” Frederick Douglass Academy, New York, October 2008.

“The AP Calculus Exam,” Frederick Douglass Academy, New York, October 2008.

“Social Justice Mathematics,” East Harlem School, New York, NY, October 2008.

“Teaching AP Statistics,” Yonkers School District, Yonkers, NY, December 2008.

“Mathematics and the Dan Culture,” Journal of Mathematics and Culture, volume 3, number 1.

“Math in Africa,” Boynton Middle School, January 2009.

“Developing Algebraic Thinking,” workshop presented in Salisbury, MD, February 2009.

“AP Statistics Prep,” presented to REACH students in NYC, February 2009.

“Teaching AP Statistics I,” 3-day workshop, Yonkers School District, Yonkers, NY, February 2009.

“Studying for the AP Statistics Exam,” Frederick Douglass Academy, New York, March 2009.

“Studying for the AP Calculus Exam,” Frederick Douglass Academy, New York, March 2009.

“Social Justice Mathematics,” Frederick Douglass Academy, New York, March 2009.

“Teaching AP Statistics II,” 3-day workshop, Yonkers School District, Yonkers, NY, March 2009

“AP Statistics Prep 2,” presented to REACH students in NYC, March 2009.

“Mathematics and the Dan Culture,” Cornell University, Ithaca, NY, April 2009.

“Vertical Teams in Math Education,” Baltimore Public Schools, Baltimore, MD, April 2009.

“AP Statistics Prep 3,” presented to REACH students in NYC, April 2009.

“Teaching AP Statistics III,” 3-day workshop, Yonkers School District, Yonkers, NY, April 2009

Reader for AP Statistics, Louisville, KY, June 2009.

“Introducing statistics into the 6th grade classroom,” 2-day workshop, Yonkers School District, Yonkers, NY, June 2009.

“Incorporating AP problems into the Pre-AP classroom,” Buffalo School District, Buffalo, NY, June 2009.

“Vertical Teams in Math Education,” Yonkers School District, Yonkers, NY, July 2009.

Steering Committee, AP Annual Conference, San Antonio, TX, July 2009.

TEAM (Technology, Empowerment, and Mathematics) summer honors program for minority high school students, Director, July-August 2009.

“Vertical Teams,” “Data Analysis,” and “Accumulation,” three-day workshop presented to Plainfield School District, Plainfield, NJ, August 2009.

“What’s Multicultural About Mathematics,” Cornell University, Ithaca, NY, October 2009.

“The AP Statistics Exam,” Frederick Douglass Academy, New York, October 2009.

“The AP Calculus Exam,” Frederick Douglass Academy, New York, October 2009.

“Teaching AP Statistics I,” 3-day workshop, Yonkers School District, Yonkers, NY, November 2009.