

CURRICULUM VITAE

Stephen M. Kokoska
Department of Mathematics, Computer Science, & Statistics
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Education:

Boston College, BA: Mathematics and Economics, 1978
University of New Hampshire, MS: Mathematics, 1980
University of New Hampshire, Ph.D., 1984
Dissertation: Statistical Methods for Analysis of Cancer Chemoprevention Experiments
Research Advisor: Dr. L. David Meeker
Areas of Specialization: Applied Mathematics and Statistics

Employment:

Assistant Professor of Mathematics, Colgate University, 1984 - 1990
Associate Professor of Mathematics, Bloomsburg University, 1990 - 1994
Professor of Mathematics, Bloomsburg University, 1994 -

Bibliography:

Published Works:

Journal Articles (refereed):

- Effect of Short-term Feeding of Sodium Selenium on 7-12-Dimethylbenz-anthracene-induced Mammary Carcinogenesis in the Rat, Thompson, H.J., Meeker, L.D., Becci, P.J., and Kokoska, S., *Cancer Research* **42**, 4954-4958, 1982
- Effect of Inorganic and Organic Forms of Dietary Selenium on the Promotion State of Mammary Carcinogenesis in the Rat, Thompson, H.J., Meeker, L.D., and Kokoska, S., *Cancer Research* **44**, 2803-2806, 1984
- The Analysis of Cancer Chemoprevention Experiments, Kokoska, S., *Biometrics* **43**, 525-534, 1987
- A Comparison of Statistical Techniques for Analysis of Growth Curves, Kokoska, S. and Johnson, L., *Growth* **51**, 261-269, 1987
- Including Data From Early Deaths in the Analysis of Cancer Chemoprevention Experiments, Kokoska, S., *Applied Mathematics Letters* **1**, No. 2, 197-201, 1988
- The Analysis of Cancer Chemoprevention Experiments in Which There is Heterogeneous Poisson Sampling, Kokoska, S., *Applied Mathematics Letters* **1**, No. 4, 351-355, 1988
- The Analysis of Cancer Chemoprevention Experiments in Which There is Interval Censoring, Kokoska, S., *Applied Mathematics Letters* **1**, No. 5, 39-43, 1989
- A Polynomial Formula for Fibonacci Numbers, Bezuska, S. and Kokoska, S., *The Fibonacci Quarterly* **28**, No. 2, 151-155, 1990
- A Computer Program for the Statistical Analysis of Cancer Inhibition/Promotion Experiments, Kokoska, S. and Urlwin, J., *Computer Methods and Programs in Biomedicine* **33**, 1-7, 1990
- Analysis of Chemoprevention Experiments: The Indefinite Censoring Model, Kokoska, S., Meeker, L.D., and Thompson, H.J., *Mathematical and Computer Modeling* **15**, 65-75, 1991
- A Generated Program for Cancer Chemoprevention Experiments, Hardin, M., Hsu, C., Kokoska, S., and Grubbs, C., *ASA Proceedings*, 1991
- The Statistical Analysis of Cancer Inhibition/Promotion Experiments, Kokoska, S., Hardin, J.M., Grubbs, C., and Hsu, C., *Anticancer Research*, **13**, Number 4, 1993
- The Development and Analysis of Interactive Videodisc Technology to Teach Speechreading, Slike, S., Thornton, N., Hobbis, D., Kokoska, S., and Job, K., *American Annals of the Deaf*, **140**, Number 4, 1995

- A Family Perspective on Augmentative and Alternative Communication: Families of Young Children, Angelo, D., Jones, S., and Kokoska, S., *ACC Augmentative and Alternative Communication*, **11**, September 1995
- A Family Perspective on Augmentative and Alternative Communication: Families of Adolescents and Young Adults, Angelo, D., Kokoska, S., and Jones, S., *ACC Augmentative and Alternative Communication*, **12**, March 1996
- Stressors and Family Supports: Families with Children Using Augmentative & Alternative Communication Technology, Jones, S., Angelo, D., and Kokoska, S., *Journal of Children's Communication Development*, **20**, No. 2, pp 37-44, 1998
- An Option-Based Approach to Portfolio Performance Evaluation, Smith, S. and Kokoska, S., *Advances in Investment Analysis and Portfolio Management*, **5**, pp 1-30, 1998
- Life Expectancy of Major League Baseball Umpires, Cohen, R., Kamps, C., Kokoska, S., Segal, E., and Tucker, J., *The Physician and Sportsmedicine*, Volume 28, Number 5, pp 83-89, 2000
- Books:*
- Perfect Numbers*, Bezuska, S., in collaboration with D'Angelo, L., Kenney, M., and Kokoska, S., Boston College Press, Chestnut Hill, MA, 1980
- Applications of Mathematics Through Models and Formulas*, Bezuska, S., Kenney, M., and Kokoska, S., Boston College Press, Chestnut Hill, MA, 1986
- Statistical Tables and Formulae*, Kokoska, S. and Nevison, C., Springer-Verlag, New York, 1988, Revised Edition, 1992
- Lecture Guide and Student Notes*, to accompany *Calculus*, by James Stewart, Strand, A. and Kokoska, S., Brooks/Cole, Volume 1, 2: 1992
- Lecture Guide and Student Notes*, to accompany *Contemporary Precalculus: A Graphing Approach*, by Hungerford, Strand, A. and Kokoska, S., Saunders College Publishing, Volumes 1,2: 1994
- Graphing Calculator Manual* a supplement to *Foundations of Statistics*, by Warren Hawley, Kokoska, S., Saunders College Publishing, 1996
- Lecture Guide and Student Notes*, to accompany *Calculus from Graphical, Numerical, and Symbolic Points of View*, by Ostebee and Zorn, Kokoska, S., Saunders College Publishing, 1996
- Graphing Calculator Manual*, a supplement to *Statistics and Probability in Modern Life*, by Newmark, Kokoska, S., Saunders College Publishing, 1997
- Graphing Calculator Manual*, a supplement to *Statistics: An Introduction*, by Mason, Lind, and Marchal, Kokoska, S., Brooks Cole Publishing Company, 1998
- Graphing Calculator Manual*, a supplement to *Elementary Statistics*, 8th Edition, by Johnson and Kuby, Kokoska, S., Brooks Cole Publishing Company, 1998
- Graphing Calculator Manual*, a supplement to *Just the Essentials of Elementary Statistics*, Second Edition, by Johnson and Kuby, Kokoska, S., Brooks Cole Publishing Company, 1999
- Graphing Calculator Manual*, a supplement to *Precalculus, Understanding Functions, A Graphing Approach*, by Goodman and Hirsch, Kokoska, S., Brooks Cole Publishing Company, 2000
- Standard Probability and Statistics Tables and Formulae*, Zwillinger, D. and Kokoska, S., Chapman and Hall/CRC, 2000
- Standard Probability and Statistics Tables and Formulae*, Student Edition, Kokoska, S. and Zwillinger, D., Chapman and Hall/CRC, 2000
- Navigating Calculus Workbook*, Kokoska, S., Houghton Mifflin, Boston, 2002
- Graphing Calculator Manual*, a supplement to *Just the Essentials of Elementary Statistics*, Third Edition, by Johnson and Kuby, Kokoska, S., Brooks Cole Publishing Company, 2003
- Teacher's Resource Binder for Statistics Through Applications*, Yates, D., Starnes, D., Kokoska, S., WH Freeman, 2004
- Introduction to Statistics: A Problem Solving Approach*, Kokoska, S., WH Freeman, December 2009.
- Instructor's Solutions Manual* to accompany *Introduction to Statistics: A Problem Solving Approach*, Kokoska, S. and Clark, J., WH Freeman, January 2010.
- Student Solutions Manual* to accompany *Introduction to Statistics: A Problem Solving Approach*, by Kokoska, S. and Clark, J., WH Freeman, January 2010.

Scholarly Work in Progress:

Journal Articles (refereed):

Longitudinal Retrospective Study of Insall-Burstein Posterior Stabilized Total Knee Prosthesis, Gowan, I., Gracey, A., Bialczak, D. Kokoska, S, submitted to the *Journal of Vestibular Research*, under revision.

Modification of the Head Thrust Test (HTT) using the rotational chair: a new tool for the assessment of utricular function, Gonzalez, J., Kiderman, Al, Kokoska, S., Long, X., Tonguz, O.

Presentations:

Perfect Numbers, Association of Teachers of Mathematics in New England, Annual Meeting, March 1981

The Analysis of Cancer Chemoprevention Experiments, Colgate Science Division Colloquium, February 1985

A Comparison of Techniques Used to Analyze Cancer Chemoprevention Experiments, Norwich-Eaton Pharmaceuticals, Inc., Statistics Section, July 1985

Detecting Treatment Differences in Cancer Chemoprevention Experiments, The 13th Annual Mathematics and Statistics Conference, Miami University, Sept. 1985

A Comparison of Statistical Techniques for Analysis of Growth Curves, Spring Regional Meeting of the Biometric Society and the American Statistical Association, Atlanta, Georgia, March 1986

Design and Statistical Analysis of Cancer Inhibition or Promotion Experiments, American Statistical Association Annual Meeting, San Francisco, CA, August 1987

Exploratory Data Analysis: Checking For Data Quality and Consistency, Boehringer Ingelheim Pharmaceuticals, Inc., Data Entry Section, Ridgefield, CT, November 1988

The Misuse of Statistics: Media Antics, Roberts Wesleyan College Colloquium, Rochester, NY, March 1989; Manhattan College Pi Mu Epsilon Induction Ceremony, April 1989; St. Lawrence University Undergraduate Mathematics Colloquium, April 1989; Colgate Science Division Colloquium, September 1989; Kings College, November 1991; Gettysburg College, October 1993; Lycoming College, November 1993

The Statistical Analysis of Cancer Chemoprevention Experiments (lecture and seminar), The University of Alabama at Birmingham and Southern Research Institute, April 1989

The Statistical Analysis of Cancer Chemoprevention Experiments (lecture and seminar), National Cancer Institute, September 1990

Performance Parameters, Estimation of Panel Size, Geisinger Hospital, September 1996

Exploring Calculus with Graphing Calculators

Marion High School, November 1992; Wyoming High School, November 1992, January 1994; Bishop Neuman High School, December 1992; Selingsgrove High School, January 1993; Cardinal Brennan High School, January 1993; Berwick High School In-Service Day, January 1993; Central Columbia High School, February 1993, September 1994; Millville High School, May 1993; Lackawana Trail Junior/Senior High School, October 1993; Luzerne County Teachers of Mathematics, Wyoming Seminary, November 1993; MMI Preparatory School, November 1993; Wyoming West Valley High School, March 1994; CSIU, Lewisburg, PA, March 1994; Sun Valley High School, April 1994; NorthWest High School (at BU), October 1994; Crestwood High School, December 1994; Pearl River High School, Graphing Calculator Workshop, March 1995;

AP Calculus

Benton High School, April 1994; Central Columbia High School, April 1995, April 1996; Danville High School, April 1996; Millville High School, February 1996, April 1997; CSIU High School Teachers, January 1996

Statistics and *Mathematica*, The Spring Meeting of The Biometric Society, Invited Workshop, March 1995

Calculators in the Classroom, SSHE Mathematics Association Conference, May 1995

Workshop, NCTM Eastern Regional Meeting, Philadelphia, November 1995, TI-92

Workshop, CSIU Math/Science Consortium, Introduction to the TI-83, October 1996

Workshop, CSIU Math/Science Consortium, Introduction to the TI-92, November 1996

Workshop, College Board Middle States Mathematics Consultants, with Susan Kornstein, September 1996

Invited lecturer aboard the QE II, Introduction to Computers, August 1997

Workshop, CSIU Math/Science Consortium, Introduction to the TI-83 Plus, Summer 1999

Advanced Placement Calculus Institutes; Wilkes University, Summer 1999; St. Croix, USVI, Summer 2001

Director, Summer Math & Science Camp, 6th - 9th graders, Bloomsburg University, 1999, 2000, 2001, 2002, 2003

In-Service Course: Calculators in the Classroom, CSIU, Summer 2000

Invited presentation, HP Higher Education Forum, Houston, February 2003

Programming the Palm Pilot for Fun and Profit, Department of Mathematics, Computer Science, and Statistics Seminar, with Shaun O'Brien, Spring 2003

In-service presentation, Using the TI-89, Central Columbia High School Mathematics Department, January 2005

In-service two-day presentation, Using the TI-84, Shamokin High School Mathematics and Science Departments, February 2005

In-service presentation, Probability and Statistics Workshop, Central Columbia High School Mathematics Department, August 2005

Pre-AP Workshop: Functions, Accumulation, and Data Analysis, The American School of Brasilia, Brasilia, Brazil, September, 2005

Pre-AP Workshop: Functions, Accumulation, and Data Analysis, Old Middle School North, Maryland, June 2006.

In-service presentation, Using the TI-89, for the CSIU at BU, Fall 2006.

Advanced Placement Calculus workshop, two days, Santo Domingo, September 2006.

Introduction to Statistics using Excel, four days, Office of Civil Rights, Philadelphia, PA, Fall 2006; Intermediate Statistics using Excel, via distance education, Fall 2008.

TALE Presentation, The use of SmartBoard and other technology in the classroom, Spring 2008.

Computer Forensics with Mathematica, with S.Inch, Presented to a group at Wolfram Research via web conferencing, Spring 2008.

Introduction to Computer Forensics , Police-Community Relations Class, Luzerne Community College, April 2008.

TI-nspire workshop, with Bill Caroscio, Mission Viejo, CA, August 21, 22, 2008.

The use of technology to teach statistics, BU Summer Academy, TALE Center, July 2008.

Cell Phone Call and GPS Analysis, Paraben Corporation; Livonia Police Department, Livonia, MI, April 7, 8, 2009; San Jose, CA, May 18, 19, 2009; Nigerian Police, Sterling VA, July 10, 11, 2009.

Results of the 2011 AP Calculus AB and BC Exams, AP National Conference, San Francisco, CA, July 2011.

AP Calculus: Facts, Figures, and FAQs, MathFest, Lexington, KY, August 2011.

A Tale of Three Tangents, PCTM Conference, State College, Fall 2011.

AP Fair and two-day AP Calculus Workshop, Shanghai, China, December 2011.

Computer Algebra Systems in AP Calculus T³ International Conference, Chicago, IL, March 2012

AP Calculus: Results and Recent Themes, NCTM Conference, Philadelphia, April 2012.

AP Calculus: Recent Themes and Freshman Dreams, Choate Academy invited presentation, April 2012.

Professional Activities:

Grants and Fellowships:

National Science Foundation: Statistical Modeling for Cancer Chemoprevention Experiments, 1986-1987

Borland International: Course Development, Statistics and Computers, with C. Nevison, 1986-1987

PEW Consortium: Course Development in Quantitative Literacy, with T. Kelly, P. Mulry, 1989

PEW Consortium: Development of Computer-based Mathematics Curricular Materials, with B. West et. al., 1990

Center for Rural Pennsylvania: to establish the Bloomsburg University Technical Assistance Center, with P. Hartung, J. Pomfret, 1992, 1993

Ben Franklin Grant: Morante CAD, 1992-1993.
Needs, Stressors and Resources of Families with Infants and Toddlers Using Assistive Technology: A Statewide Survey, State System Faculty Professional Development Council, with D. Angelo, S. Jones and J. Armstrong, 1994
Science in Bloom, State System Grant, with J. Baird and E. Schultz, Summer 1994
Outcomes Assessment Conference, State System Grant, Dee Welk et. al., 1998-1999
Math and Science Camp, The Bell Atlantic Foundation, with E. Schultz and S. Inch, Summer 1999; K'NEX Industries, Spring 2003
Alcoa Corporation, \$25,000, Inch, S., Kokoska, S., and Fletcher, T., Provide cell phone analysis training to law enforcement officers, 2009.

Colgate Grants:

Microcomputer Grant: DEC Rainbow 100, January 1985
Science Division Grant: to attend the Council on Undergraduate Research Conference, Colgate University, May 1985
Faculty Development and IBM Grant: to attend a workshop on Multivariate Analysis and Computer Software, Ohio University, August 1985
IBM Grant: to attend the Spring Regional Meeting of the Biometric Society and the American Statistical Association, March 1986
Sloan Foundation Grant: for the purchase of Minitab for the University Computer System, May 1986
Faculty Development Grant: to attend The Second International Conference on Teaching Statistics, Victoria, BC, August 1986
Technical Advisory Committee Grant: to purchase microcomputers, peripherals, and software for Microcomputer Applications in the Sciences, Spring 1987, 1988

Bloomsburg Grants:

Research Grant: The Statistical Analysis of Cancer Chemoprevention Experiments, 1991
Bloomsburg University Foundation Grant: to establish a computer lab for a Scholars course, 1992.
Faculty Professional Development Grant: to present a workshop at the NCTM Eastern Regional Meeting in Philadelphia, November 1995
Reassigned Time Award: to work with Geisinger to study quality control in medicine and develop performance parameters, Summer 1996
Strategic Planning Project: An Opportunity to Excel, The Recruitment of Mathematics and Computer Science Students for the Next Century, with Scott Inch and Helmut Doll, 1996-1998, 25 presentations
Reassigned Time Award: to develop a summer math and science camp for 6th, 7th, and 8th grade students, 1999
Professional Development Award: to support textbook writing project
Sabbatical Award: Spring 2004
Action Plan Grant, with Scott Inch, to develop technology movies, Spring 2005
Presidential Grant to address the Strategic Plan, Fletcher, T., Kokoska, S., and Wright, I., Educational Pathways Initiative, Spring 2012.
TALE Grant for General Education Initiatives, Kokoska, S. and Inch, S., Using a digital Notepad to Enhance Online Office Hours.

Member:

American Mathematical Society
Mathematical Association of America
Sigma Xi
American Statistical Association
Biometric Society

Editorial and Related Activities:

Workshop (with S. Bezuska): Maximum and Minimum Problems without Calculus, NCTM Meeting, Washington, D.C., April 1986
Referee for *The American Mathematical Monthly*, 1988
Referee for *Growth, Development and Aging*, 1989

Referee for *Biometrics*, 1990, 2000, 2002
Referee for *The Canadian Journal of Statistics*, 1992
Referee for *Medical and Pediatric Oncology*, 1991
Referee for *Biometrical Journal*, 1999
Editorial Advisory Board, Roxbury Publishers, 1988
Advanced Placement Calculus Reader for ETS, 1988-1991, Table Leader, 1992-2000, Exam Leader, 2001-2007, 2009, 2010, Chief Reader Designate: July 2010, Chief Reader, July 2011-present.
AP Calculus Development Committee member, July 2010 - present.
TICAP Participant, Clemson University, 1992-1994
Invited Participant, Discussion Group Leader, Calculus Reform Conference, Clemson University, June 1995
Invited Participant, CAE-CALC Summer Pilot Institute, TI-92, June 1995
Dissertation Committee, Chuan-Chieh Hsu, The University of Alabama at Birmingham, Defended April 1995
Editor and typesetter: Advanced Placement Mathematics Test Bank to accompany *The Calculus with Analytic Geometry*, by Louis Leithold, 1990
Typesetter: *The Calculus Virgin*, by d'Arcy Hayman and Louis Leithold, 1991
Typesetter: Advanced Placement Calculus Free Response Solutions, 1996-1999
Power Point Presentation for *Just the Essentials of Elementary Statistics*, by Johnson and Kubly, 1998
Graphing calculator accuracy check for *Elementary Statistics*, 8th Edition, by Johnson and Kubly, 1999
Power Point Presentation for *Elementary Statistics*, 8th Edition, by Johnson and Kubly, 1999
Mathematics and Statistics reviewer for AP Central, 2001, 2002
Training course in Java Programming, May 2001
Advanced Placement Calculus Question Writer, Spring 2003; Free-Response question writer, Fall 2006.
Review of College Board Assessment Workshop material, March, 2003
Focus Group co-presenter, organized by WH Freeman, Joint Statistical Meetings, Toronto, August 2004; AMATYC meeting, November 2004; Joint Mathematics Meetings, January 2005
Contributor, Advanced Placement Program Professional Development AP Calculus manual, Special Topic: Fundamental Theorem of Calculus, Spring 2005
Thesis committee member, Sandi Howard, A Comparison of Hearing Aid Fitting Methods between 2000 and 2004: Audiologists Licensed in Pennsylvania, Department of Audiology, Bloomsburg University, Fall 2005
Thesis committee member, Amy Wadas, A Comparison of Verification Methods Among Audiologists, Department of Audiology, Bloomsburg University, Fall 2005
Thesis Committee member, Nicole Cooper, The Effect of Otitis Media (OM) on Computerized Dynamic Posturography, Department of Audiology, Bloomsburg University, Spring 2008.
Thesis Committee member, Lisa Krebs, The Effects of Otitis Media (OM) on Objective and Functional Measures of Balance, Department of Audiology, Bloomsburg University, Spring 2008.
Actively supervising several theses, Department of Audiology students, 2009-2012.
Chief Editor, AP Calculus Special Focus Material for workshops, Fall 2006.
College Board National Leader Observations, New Britain, Ct, November 2006, and Austin, TX, April 2007.
Certified Reviewer, AP Calculus Audit, Spring 2007.
Honors Independent Research student, Withers, S., A PDA program to graph points in a plane, 2007-2008.
Internship student, Neaman, J., A regression program for the Office of Admissions, Spring 2008.
Standard Setter, CLEP Exam, The College Board, Spring 2008.
Question Writer, AP Calculus practice exam, Fall 2007, Fall 2008.
Texas Instruments Calculus Summit, invited participant, Dallas, TX, June 25, 26, 2008.
TI-nspire Activity Writer, Dallas, TX, July 9, 10, 2008.
Consultant, Office of Civil Rights, Philadelphia, PA, Summer 2008, Summer 2010, Summer 2011.
Paraben Signal Analysis Course, participant, San Diego, CA, November 18, 19, 2008.
Cell Phone Tower and Call Analysis Class, Cellular Data Resources, participant, February 9, 10, 2009.

Computer Forensics Consultant, Inch, S., and Kokoska, S., Attorney Brain Crane, Bloomsburg, July, 2009.

Calculus-inspired and pre-calculus-inspired author, for Texas Instruments, writing a series of TI-nspire calculator calculus activities for students and corresponding teacher documents, September 2009 - September 2011.

Advanced Placement Panel for the Calculus Conference withing the T³ International Conference, invited speaker and moderator, Atlanta, GA, March, 2010.

Texas Instruments T³ leadership training, certified regional instructor, Summer 2010.

TI-Nspire Handheld presentation, to local mathematics teachers, Central Columbia School District, Summer 2010.

AP Calculus: Facts, Figures, and FAQs, with Stephen Davis, presentation at MathFest, Pittsburgh, PA, August 2010.

AP Calculus: Issues and Challenges, T-Cubed International Conference, panel moderator and present, Houston, TX, February 2011.

The TI-Nspire CX CAS Handheld and Software: New Features and Cool Examples, presentation, 2011 Allegheny Mountain Section Meeting, April 8, 2011.

Statistics Nspired, reviewer of statistics action consequence documents, student worksheets, and teacher material, January 2011 - September 2011.

Editor, AP Calculus Curriculum Module, The Integral, March 2012 - September 2012.

Book Reviews:

Mathematical Statistics, Fourth Edition, Freund et al, Prentice Hall, Inc., Fall 1986

Probability and Statistics for Engineering and The Sciences, Second Edition, Devore, J., Brooks/Cole Publishing Company, Fall 1988

Probability and Statistical Inference, Bartoszynski, R., and Niewiadomska-Bugaj, M., McGraw-Hill, Summer 1990

Statistics: Learning in the Presence of Variation, Wardrop, R., McGraw- Hill, Summer 1990

Statistics: An Introduction, Mason, Lind, and Marchal, HBJ, 1991

Precalculus, Runyan, Richard D. Irwin, Inc., Fall 1992

The Calculus, 7th Edition, by Louis Leithold, 1994

Just in Time Algebra and Trigonometry, McGraw-Hill 1996

Calculus with Derive, McGraw-Hill 1996

Probability and Statistics for Engineers, McGraw-Hill 1996

Concepts in Calculus, Stewart, Brooks/Cole 1996

Chance Encounters, Wild and Seber, John Wiley & Sons, *Technometrics*, Volume 43, Number 2, May 2001

Software Reviews:

Microcomputer Software for Statistical Analysis for Engineers: A Computer Based Approach, IBM Version, J. Wesley Barnes, Prentice Hall, Inc., Summer 1987

MYSTAT, SYSTAT, Inc., Evanston, IL, 1987

ME-STATS, Northwest Analytical, Inc., 1987

PowerStat, Analytical Engineering Corporation, 1987

μ TEX, Arbortext Inc., 1989

PTIHP, PTIVIEW, Personal TEX, Inc. 1991

Research Assistant:

Dr. R. England, Economics Dept., UNH, 1979

Drs. L.D. Meeker and H.J. Thompson, Summer 1981, 1982, 1983, Statistical Analysis of Treatment on Mammary Carcinogenesis, Assisted in the preparation of Induction of Mammary Gland Carcinomas by the Subcutaneous Injection of 1-Methyl-1-nitrosourea, H.J. Thompson and L.D. Meeker, *Cancer Research* **43**, April 1983

Boston College Mathematics Institute, Assisted in the development of *Number Treasury*, S.J. Bezuska and M. Kenney, Dale Seymour Publications, 1982

Graduate Assistant: MST Summer Program at UNH, 1979

Consultant Services:

Norwich-Eaton Pharmaceuticals, Inc., Clinical Trials Analysis, 1985-1991
 Courses Taught: Minitab, Summer 1986, Summer 1987; Basic Statistics and Applications, Summer 1987; TDP, Summer 1987; Beginning SAS, Summer 1987
 7 Statistical Reports

Oxford Academy and Central School, Educational Research, 1986

Borland International, Research and Development of Statistical Software, 1986-1988

Dr. Mark Vogel, Clinical Psychologist, 1986-1987, *Statistical Report: A Study of the Alcohol and Drug Usage Patterns of Norwich 7-12 Grade Students*, 1987

National Study of Epidermolysis Bullosa and Families; Primary Investigator: Sheila Dove Jones. Submitted January 22, 1991: DEBRA of America, Inc., New York, NY. Budget Period: June 1991 - June 1992. Funded

Stressors, Needs, and Resources of Families with Adolescents using Assistive Devices: A Statewide Survey; Primary Investigator: Dianne Angelo. Co-Investigator: Sheila Jones. Submitted October 28, 1991: SSHE: Category 2-B. Budget Request \$1333. Budget Period: April 1992 - December 1993. Funded

Stressor, Needs, and Resources of Families with Children using Assistive Devices: A Statewide Survey; Primary Investigator: Dianne Angelo. Co-Investigator: Sheila Jones. Financially supported by the Pennsylvania Assistive Technology Center, Harrisburg, PA. September 1991

Columbia-Montour Survey on Children: Consumer Survey; Investigators: Sheila Dove Jones, Dale Sultzbaugh, and Stephen Kokoska. Financially supported by Bloomsburg University and Bloomsburg Town Council. August 1993 - October 1993

Abraczinskas Nursery: Spreadsheet Application for Shipping Costs, Fall 1994

Advanced Placement Program, Calculus, 1990-

Presentations: Shikellamy High School, October, 1990; Pace University, April, 1991; Penn State University, October 1991; Thomas Wootton High School, Rockville, MD, March 1992; Eastern Regional Senior High School, Washington, DC, December 1992; Hatboro-Horsham High School, Horsham, PA, March, 1993; Penn State University, October 1993; Clarion University, March 1994; Perkiomen High School, April 1994; New York University, November 1994; Gonzaga College High School, March 1995; Burnt Hills - Ballston Spa High School, October 1995; Fairport High School, November 1996; Math Specialty Conference, Lancaster, PA, February 1997; Math Specialty Conference, Atlantic City, NJ, February 1998; Oakmont High School, February 1998; Urbana High School, Ijamsville, MD, October, 1998; Math Specialty Conference, Philadelphia, PA, January 1999; Garfield High School, Garfield, NJ, April, 1999; Grove City High School, November, 1999; Math Specialty Conference, February, 2000; Taylor-Allerdice High School, February, 2000; Charles Herbert Flowers High School, October 2000; Mount Lebanon High School, November 2000; Urbana High School, Ijamsville, MD, January 2001; Math Specialty Conference, February, 2001; Math Specialty Conference, January 2002; Fox Chapel Area High School, March 2002; Math Specialty Conference, Ellenville, NY, Fall 2002; Math Specialty Conference, Baltimore, Spring 2003; Pre-AP: Functions, Baltimore, MD, Fall 2003; Pre-AP: Functions, Sparta, NJ, Fall 2003; Math Specialty Conference, Linthicum Heights, MD, Spring 2004; Distinguished Scholar Seminar, Langhorne, PA, Spring 2004; Damascus High School, Damascus, ND, Fall 2004; Pre-AP National Training, Charlotte, NC, Spring 2005; La Roche College, Pittsburgh, PA, October 2008; Pre-AP: Functions, Niagara Falls HS, January, 2009

Invited participant, National Forum to Expand Advanced Placement Opportunities, Washington, DC, February 2000

Chairman, Committee to develop syllabus for AP calculus methods course, NYSUT - College Board Partnership, March 2000

Member, Advanced Placement Endorsement Panel, Spring 2000, Spring 2003

Judge for the College-Level Examination Program in Calculus, May 2000

Workshop for middle and high school teachers, The Mathematics and Science of Amusement Park Rides, with Emeric Schultz, Fall 2002

PDA Stats software development, with Shaun O'Brien, 2001-2003, published by WH Freeman, 2004

Invited participant, Advanced Placement Professional Development National Leader Training, Summer 2003

Participant, Course Redesign Workshop, Prentice Hall, Boston, MA, August 2005

Invited participant, Advanced Placement Professional Development National Leader refresher workshop, New Orleans, August, 2005

Sabbatical proposal reviewer, for Wilkes University, September 2005

Honors and Awards:

Elected to Phi Beta Kappa, May 1977

Elected to Alpha Sigma Nu: Jesuit Honor Society, May 1977

Boston College Nominee for a Danforth Fellowship, March 1978

Recipient of a Gold Key Award for service to the Boston College Community, May 1978

Honorable Mention: National Science Foundation Fellowship Program, May 1978

Elected as a Marshal in The Order of The Cross and Crown of Boston College, May 1978

Awarded Departmental Honors in Mathematics, May 1978

Received the Alice Bourneuf Award in Economics, May 1978

Graduated Summa Cum Laude from Boston College, May 1978

Recipient of a three-year Fellowship from The University of New Hampshire, September 1978

Recipient of a Dissertation Fellowship from The University of New Hampshire, Spring 1984

Elected to Sigma Xi: Scientific Honor Society, 1984

Nominated for Professor of the Year, 1989-1990

Dean's Salute for Excellence Award, Fall 2000

Elected to Phi Kappa Phi, Spring 2012

Teaching Experience:

Bloomsburg University:

Math Thinking, Finite Mathematics, College Algebra, Essentials of Calculus, Analysis I, II, Introduction to Statistics, Probability and Statistics, Statistical Methods, Probability Models and Applications, Special Topics: Statistics, Introduction to Statistics via Distance Education.

Colgate University:

Microcomputer Applications in the Sciences, Introduction to Minitab, Introduction to Statistics, Calculus I, Calculus II, Probability and Statistics I, Probability and Statistics II

The University of New Hampshire:

Calculus I, Calculus II, Differential Equations Recitation, Multidimensional Calculus Recitation, Probability and Statistics for Applications

Portsmouth School System:

General Mathematics, General Mathematics: Adult Education, Introduction to Computers, BASIC, Adult Education, Computer Literacy

Pease Air Force Base:

General Mathematics

Service:

Bloomsburg University:

Chair, State APSCUF Chapter Presidents, 2009-2012.

BU Strategic Planning Steering Committee, 2009.

BU Inauguration Co-Chair, 2008.

Member, Search Committee, Head Women's Basketball Coach, Spring 2008.

Interim Director, BU Honors Program Fall 2006; Director, Spring 2009-

Governor Rendell's Class Size et al Committee, 2004-2005.

Summer Chairman, 1997-2001, 2003-2005

University Grievance Committee, 1999, Chair 2000-2003

Bloomsburg University APSCUF President 2003-present: Co-Chair, Planning and Budget, member of Budget Subcommittee, Space and Facilities, Secretariat, President's Advisory Committee; advisor to the BU Foundation Board and the BU Council of Trustees.

Member, BU Presidential Search Committee, 2007.

Member, University Distance Education Committee, 2009, 2010.

Member, State APSCUF Meet and Discuss Committee, 2002-2005.

Member, State APSCUF Negotiations team, 2005-2006.

University Academic Grievance Committee, 1995-1996, Chair, 2001-2002.

Faculty Council on Scholarship, 1996, 2002.

University Promotion Committee, 1995-1997.

Department Five Year Review Committee, 1995-1996 (Co-Chairman), 2005-2006.

Department representative to COST Learning Community, 2005-2006.

University Enrollment Management and Clientele Study Group, Recruitment Subcommittee Chairman, 1994-1995.

Prometheus Special Project Work Group, Subcommittee Chairman, 1997.

Department Promotion and Sabbatical Committee, 1994-1995.

Conflict of Interest Committee, 1994-1995.

Internship Planning Committee, 1993.

Library Technology Committee, 1993.

Special Initiatives Review Committee, Fall 1991.

Mathematics/Statistics Curriculum Committee, 1990-1995, Chairman, 1990-1992.

Department Evaluation and Tenure Committee, 1990-1993.

Department Evaluation Committee, 2011.

Recruitment and Retention Committee, 1991-1995, Chairman, 1992-1995.

Interactive Technology Committee, 1990-1991.

Personnel Committee, 1999-2002, Chairman.

Search and Screen Committee, 1992-1993, Chairman; 1998-1999, Chairman.

Minitab Seminars, 1990-1992.

KME presentation, Fall 1990.

Math Club presentation, Spring 1994.

Scholar Athlete Luncheon, Invited Guest, 1991, 1994, 1999, 2007.

Honors Interviews, 1994, 2000, 2002, 2007.

Outcomes Assessment grant and conference committee, 1998-1999.

Parents' and Family Weekend Information Station, Fall 1998.

SSHE Faculty Professional Development Peer Reviewer, Fall 1993.

Foundation Board review, Spring 1994.

Department Colloquium, The Statistical Analysis of Cancer Chemoprevention Experiments, Fall 1990.

Department Colloquium, The TI-89 Graphing Calculator, Fall 1999.

Advisor, Bloomsburg University Ice Hockey Club, 1990-1992.

Faculty Mentor, BU Women's Basketball Team, 2004-

BU Foundation Naming Committee, April 2009.

Music Ministry, BU Catholic Campus Ministry, 2008-2011.

Colgate University:

Department of Mathematics Secretary, AY 1984-1985, 1985-1986

Department of Mathematics Calculus Syllabus and Textbook Selection Committee, AY 1984-1985

Active Member of Colgate's Chapter of Phi Beta Kappa, 1984-1989

Department of Mathematics Problem of the Week Author, 1985-1987

Colloquium Coordinator, Division of Natural Sciences and Mathematics, AY 1986- 1987

Department of Mathematics Advising Session, Fall 1986, 1987, 1988

Faculty Link Advisor, Fall, 1987, 1988, 1989

Faculty participant in Wilderness Adventure for incoming students, Fall 1988

Department of Mathematics, Freshman Prize Exam Author, Spring 1987, 1989

Committee to develop Microcomputer Applications in the Sciences, Established the Department of Mathematics Computer Lab, 1987-1989

T_EX Seminar, Spring 1989

Academic Affairs Board, Term: 1989-1990

Statistical Consulting:

Dr. R. Hoffman, The Statistical Analysis of Growth Curves, 1985-1986

Mary Jane Walsh, Survey and Statistical Analysis of Library Holdings and Use, Fall 1986, Fall 1988

Dr. P. Gares

1. Regression Analysis and Diagnostics, Eolian Sediment Transport and Dune Formation on Undeveloped and Developed Shorelines, 1986

2. A Computer Program for the Calculation of Water Exchange, 1989

Dr. J. Carter, Database Management of 1) Professors of Asian Studies, and 2) Music Collection Card Catalog, 1986

Dr. R. Fuller, Analysis of Variance on Stream Insect Distributions, 1988- 1989

Dr. J. McLelland, Regression Analysis of Geological Data, 1989

Dr. A. Goldstein, Multivariate Regression Analysis, Magnetic Susceptibility Anisotropy and Strain in Deformed Rocks, 1989

Colgate Alumni Corporation, Design and Statistical Analysis of Alumni Corporation Survey, 1989

Connie Jones, Statistical Analysis of The Effect of Maternal Emotions on Children's Personality Organization, 1989

Dr. Turner, Statistical Comparisons of Methods for Testing the Construct Validity of Valuation Questions in Contingent Valuation Mechanisms, 1989

Michael Williams, Regression Analysis dealing with the Equilibrium between Garnet and Biotite, 1989

Dr. William Oostenink, Regression Analysis of Concentration of a Substance versus its Spectral Absorbance, 1990

Dr. Sheila Jones, Analysis of Survey Data, 1992-1993 Charlie Remington, Berwick United Way, 1994

James Tomlinson, statistical analysis of data for legal proceeding, Fall 1998

Personal:

Born: August 25, 1956, Lowell, Massachusetts

Married, two children

References:

Dr. Scott Inch, Department of Mathematics, Computer Science, and Statistics, Bloomsburg University, Bloomsburg, PA 17815

Dr. Robert Marande, Dean, College of Science and Technology, Bloomsburg University, Bloomsburg, PA 17815

Dr. Jessica Kozloff, President Emerita, Bloomsburg University, Academic Search, 1825 K Street NW Suite 705, Washington, DC 20006

Dr. Thomas Dick, Department of Mathematics, Oregon State University, Corvallis, OR 97331

Dr. Allen Strand, Department of Mathematics, Colgate University, Hamilton, New York 13346-1398

Dr. Craig Wright, Educational Testing Service, Rosedale Road, Princeton, NJ 08541