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EDUCATION AND TRAINING

1994 Ph. D., The Wharton School, University of Pennsylvania, Statistics
1992 M. A., The Wharton School, University of Pennsylvania, Statistics
1990 M. S., Teachers College, Columbia University, Mathematics Education
1989 M. A., Teachers College, Columbia University, Mathematics Education
1988 A. B., Columbia College, Columbia University, Mathematics

CURRENT PROFESSIONAL APPOINTMENTS

2001- Assistant Professor of Medicine,
Case Western Reserve University School of Medicine.
2001- Director, Biostatistics and Evaluation Unit,
Center for Health Care Research and Policy,
Case Western Reserve University / MetroHealth Medical Center
1994- Assistant Professor of Operations,
Weatherhead School of Management, Case Western Reserve University

FORMER PROFESSIONAL APPOINTMENT:

1995 Lecturer, Department of Statistics,
The Wharton School, University of Pennsylvania

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Statistical Association
Making Statistics More Effective in Schools of Business

HONORS AND AWARDS

2005 Scholarship in Teaching Award, Case Western Reserve U. School of Medicine
2004 Best Educational Contribution Award, Case Western Reserve U. School of Medicine
2003 Outstanding Short Course (with RD Cebul and NV Dawson), Society for Medical
Decision Making 25th Annual Meeting
1998-9 Finalist, Outstanding Teaching Award, Weatherhead School of Management, Case
Western Reserve University
1994 J. Parker Bursk Prize for Outstanding Graduate Student, Department of Statistics, The
Wharton School, University of Pennsylvania
1991 Donald S. Murray Prize for Excellence in Teaching, Department of Statistics, The
Wharton School, University of Pennsylvania

PROFESSIONAL SERVICE

NATIONAL / INTERNATIONAL / REGIONAL SERVICE

Associate Editor, *The American Statistician*, 2005-

American Statistical Association

2006-2007 (Elected) Secretary, Health Policy and Statistics Section

2005- (Elected) Vice President, Cleveland Chapter

Making Statistics More Effective in Schools and Business [MSMESB]

2003 Co-Chair and Organizer, 2003 MSMESB Conference, San Francisco, CA.

2001- (Elected) Leadership Group

1994- Web Site Editor and Planning Committee

Referee: (75 original manuscripts, plus revisions)

2002- *The American Statistician*

2005- *Communications in Statistics: Simulation and Computation*

2004- *Journal of the American Medical Association*

1998- *Journal of Statistics Education*

2002- *Medical Decision Making*

2003- *Medical Care*

2002- *Psychometrika*

2003 *INFORMS Transactions on Education*

2004 *Operations Research*

Reviewer: 20+ statistical and biostatistical texts, software and related projects for ITP/Duxbury Press, Prentice-Hall, Wiley, Addison-Wesley.

Statistical Judge: Northeastern Ohio Science and Engineering Fair, 2004-2005.

Intel International Science and Engineering Fair, Cleveland, 2003.

SERVICE TO CASE WESTERN RESERVE UNIVERSITY

Case Western Reserve University School of Medicine

2006 Lepow Day Review Committee for Medical and Graduate Student Research

Center for Health Care Research and Policy

2001- Director, Biostatistics and Evaluation Unit

2004- Chair, Biostatistics Faculty Search Committee

2005 Chair, Data Security and Management Committee

2004-5 Chair, Statistical Programmer/Analyst Search Committee

2001-4 Member, Web Design Group

2001- Co-Coordinator, CHRP Seminar Series

Weatherhead School of Management

1998-1999 Faculty Council

1999-2000 Chair, Task Force on "The Classroom Experience"

1994-2001 Information Systems Services and Research Committees

1994-2001 Department of Operations Admissions, Financial Aid, Seminar and Waiver Committees

TEACHING

COURSES TAUGHT AT Case Western Reserve University

CASE SCHOOL OF MEDICINE

Courses Directed, Developed and Taught

- 2003- CRSP 403: Biostatistics for Clinical Research. Clinical Research Scholars Program [CRSP] core course: 40 (contact) hours.
- 2003- CRSP 500: Observational Studies. CRSP elective course: 40 hours.

Other Courses

- 2001- CRSP 401: Introduction to Clinical Research. Instructor and Developer of Sections on Statistical Thinking for Clinical Research: 12-16 hours.
- 2004 Introduction to the Practice of Research, Primary Care Track Flexible Type A Elective, Guest Lecturer on Survey Analysis: 2 hours.

WEATHERHEAD SCHOOL OF MANAGEMENT

Courses Directed, Developed and Taught

- 1997-2001 MBA Math Camp: Pre-Term MBA Program in Statistics and Mathematics: 40 hours.
- 1997-2000 MBAC 414: Statistics for Managers. Core first-year full-time MBA course: 40 hours.
- 1995-2001 OPRE 404: Data Analysis. Elective course for MBA, MS, PhD, and undergraduates. Modules: Survey / Experimental data, Time series modeling / forecasting: 40 hours.
- 1997-2000 OPRE 428: Statistical Methods for Operations Research Applications. Required MS/PhD course: 40 hours.
- 1995 OPRE 528: Experimental Design. PhD elective course: 40 hours.
- 1996 OPRE 529: Time Series Analysis. PhD elective course: 40 hours.

Other Courses

- 1994-1997 QUMM 403: Managerial Statistics. Instructor, Core MBA course: 40 hours.
- 2000 OPRE 490: Statistics in Operations. Instructor, MS/PhD elective course: 40 hours.

CASE SCHOOL OF ENGINEERING

- 1997-2004 EPOM 409: Engineering Processes Capstone Course, Guest Lecturer on Statistics, Quality and Experimental Design. Undergraduate course: 3 hours.

CASE WESTERN RESERVE UNIVERSITY TEACHING ASSISTANT TRAINING PROGRAM

- 2002 UNIV 400: Guest Seminar on "Presenting and Presenting Yourself:" 2 hours.
- 2001-2002 UNIV 400: Discussant on "The Value of Teaching:" 2 hours.
- 2001 UNIV 400: Two Guest Seminars on "Ethics and Teaching:" 4 hours.

RECENT National and International TEACHING ACTIVITIES

- [October 2006] **Love TE** Cebul RD Dawson NV “Reducing Bias in Decision Models: Propensity Methods,” Course Director, Short Course at the Society for Medical Decision Making Annual Meeting, Boston.
- [October 2006] Cebul RD Dawson NV **Love TE** “Methods for Cluster Randomized Trials of Real-Time Decision Support.” Short Course at the Society for Medical Decision Making Annual Meeting, Boston.
- 2005 **Love TE** “Strategies for Using Propensity Scores Well,” Workshop Instructor and Developer. 6th International Conference on Health Policy Research [ICHPR], Boston
- 2001-2004 Cebul RD Dawson NV **Love TE**, “Reducing Bias in Decision Models: Propensity Methods,” Society for Medical Decision Making Annual Meetings. Sections on Doing Propensity Analysis: Basics and Matching and on Stratification, Adjustment, Sensitivity and Strategies. 2003 Outstanding Short Course Award
- 2004 **Love TE** “Propensity Scores: Helping Non-Statisticians Get The Message,” Chair and Presenter, Luncheon Roundtable, Joint Statistical Meetings, Toronto
- 2003 **Love TE** “Discussing and Displaying the Effectiveness of Causal Models for Observational Studies,” Chair and Presenter, Luncheon Roundtable, Joint Statistical Meetings, San Francisco
- 2002 **Love TE** Hinrichs C Konrath T, workshop leaders. “We’ve Preached to the Choir: Now What?” 17th Making Statistics More Effective in Schools of Business Conference, University of Georgia

RECENT Regional TEACHING ACTIVITIES

- 2005 **Love TE** “What people thinking about quality improvement should know about propensity methods” Elyria/Lorain Chapter of the American Society for Quality
- 2004 **Love TE** “Data Analysis and Statistical Thinking” Data Symposium for Administrators: Linking it All Together: Center for Mathematics & Science Education, Teaching & Technology (CMSETT), John Carroll University
- 2004 **Love TE** “Using Propensity Scores Effectively” Cleveland Chapter of the American Statistical Association Fall Workshop
- 2003 **Love TE** “Propensity Scores: What do they do, How should I use them, & Why should I care?” Cleveland Chapter of the American Statistical Association

OTHER TEACHING ACTIVITIES

CURRENT TRAINEES AT CASE WESTERN RESERVE UNIVERSITY

- 2005- Katzan, Irene L. MD “Community-Based Stroke Care and Outcomes in Northeast Ohio” Ph. D. Dissertation Committee, Dept. of Epidemiology & Biostatistics.

RECENT TRAINEES AT CASE WESTERN RESERVE UNIVERSITY

- 2005-6 Carey, John MD “Defining Z-Scores in Clinical Densitometry” M. S. Thesis Committee, Clinical Research Scholars Program (CRSP). Current Position, The Cleveland Clinic.

RECENT TRAINEES AT CASE WESTERN RESERVE UNIVERSITY (CONTINUED)

- 2005-6 Stern, Thomas MD “Computer Decision Support for the Treatment of Asthma” M. S. Thesis Committee, CRSP. Current Position: Pulmonary, Critical Care and Sleep Medicine, Department of Internal Medicine, Carolinas Medical Center.
- 2004-5 Kayanja, Harriet “Effectiveness of Short Course Zidovudine versus Nevirapine for Prevention of Mother to child Transmission of HIV in Uganda: A Propensity Score Application” Ph. D. Dissertation Committee, Dept of Epidemiology and Biostatistics. Current Position: Post-Doctoral Fellow in Epidemiology, Case.
- 2003 Petersen, Lars “Adaptive Stroke Impact Assessment” Primary Care Track Summer Research Project. Current Position: MD/PhD Candidate, Department of Epidemiology and Biostatistics, Case Western Reserve University.
- 2002-3 Fox, Robert J. “The Short Term Effects of Intravenous Methylprednisolone on Brain MRI Measures in Multiple Sclerosis.” M. S. Thesis Committee, CRSP. Current Position: Associate Staff, Department of Neurology, Mellon Center for Multiple Sclerosis Treatment and Research, Cleveland Clinic.
- 2002-3 Rodrigue, Tina. “Prediction of Functional Outcome After ICH” M.S. Thesis Committee, CRSP. Current Position: Staff Neurosurgeon, Naval Medical Center, Portsmouth, VA.
- 2001-2 Litaker, David. “Regional Variation in Health Systems Resources and Access to Health Care in Ohio.” PhD Dissertation Committee. Current Position: Associate Professor of Medicine, Epidemiology & Biostatistics, Case.
- 1998-9 Smith, Toni. “CEO Compensation: Reactions to Legislative Changes.” PhD Dissertation Committee, Department of Accountancy. Current Position: Assistant Professor, University of New Hampshire
- 1996-8 Linderman, Kevin. “Economic, Statistical and Managerial Considerations in the Design of Multivariate Control Charts.” Co-Chair, PhD Dissertation Committee. Current Position: Associate Professor, University of Minnesota
- 1997-2001 Mentored 12 undergraduate & M.S. students through Independent Study projects at Weatherhead School of Management.

COURSES TAUGHT AT UNIVERSITY OF PENNSYLVANIA
[THE WHARTON SCHOOL, DEPARTMENT OF STATISTICS]

- 1994-1995 STAT 111: Statistics for Behavioral Scientists, I. Required course for undergraduates majoring in behavioral sciences: 40 hours.
- 1991-1994 STAT 112: Statistics for Behavioral Scientists, II. Required course for undergraduates majoring in behavioral sciences: 40 hours.
- 1993 STAT 431: Mathematical Statistics. Elective course for undergraduates: 40 hours.

SECONDARY SCHOOL TEACHING

- 1988 Teacher, Department of Mathematics, Hunter College High School, New York.
- 1987-8 Student Teaching, Barnard College Education Program, Columbia University.

RESEARCH SUPPORT

ACTIVE PROJECTS

1R01 HS15123-01 Trial of Decision Support to Improve Diabetes Outcomes

PI: Randall D. Cebul, MD 10/01/04 – 09/30/07 PHS/NHHS/AHRQ

Role: **Co-Investigator** 15% supported effort

This is a 2-year cluster-randomized trial of 22 primary care practices, 197 PCPs, and their 13,000 adult diabetics across two health systems experienced in using the same EMR system. Aims are to: 1) compare the effects of our interventions on primary outcomes (quality of care/patient safety, and utilization), adjusting for baseline prognostic differences and clustering; 2) estimate intervention effects in pre-specified sub-groups; 3) describe features of patients and PCPs associated with different types and levels of intervention adoption; and 4) describe general and intervention-specific unintended consequences.

The Potential of Technology to Improve Chronic Disease Management & Quality of Care

PI: C. Martin Harris, MD 09/01/04 – 08/31/07 Robert Wood Johnson Foundation

Role: **Biostatistician** 5% supported effort

Goals: To 1) determine whether a web portal will improve outcomes in diabetic patients; 2) describe patients whose health behavior improves over the study period and who adopt the portal technology; 3) develop and test targeted interventions to increase adoption of the technology; and 4) monitor costs associated with the portal and health care resource use.

1R01 CAH102828-03 Aging and Supportive Care in Advanced Cancer

PI: Julia H. Rose, PhD 09/01/03 – 08/31/08 NIH/NCI

Role: **Co-Investigator** 10% supported effort

Goal: To perform a randomized trial of coping and communication support for middle-aged and older patients with incurable late-stage cancer.

IIR 03-255-1 Aging and Family Outcomes in Supportive Care of Advanced Cancer Patients

PI: Julia H. Rose, PhD 06/01/04 – 11/30/08 VA HSR&D Merit Review

Role: **Co-Investigator** 15% supported effort

Goal: To expand a coping and communication support intervention study to address family caregiver needs and to examine outcomes for family caregivers of middle-aged and older late-stage cancer patients during advanced cancer and end-of-life care and in bereavement. Caregiver interviews are introduced to supplement the funded NCI RO1 project (see above.)

1R01 AG022459 Subjective/Objective Health Measures by Race/Ethnicity

PI: Joseph J. Sudano, Jr., PhD 06/01/05 – 05/31/08 NIH/NIA

Role: **Co-Investigator** 5% supported effort year 1, 15% year 2, 30% year 3

Goal: Examine the correspondence between subjective measures and a performance-based index of physical functioning among several diverse racial/ethnic groups.

PA R03 040 Determinants of Intrapartum Obstetrical Quality

PI: Jennifer L. Bailit, MD 09/30/05 – 09/29/07 AHRQ Small Grant

Role: **Biostatistician** 10% supported effort

Goal: To understand the elements of hospital structure and of obstetrical processes of care that influence intrapartum quality of care.

ACTIVE PROJECTS (CONTINUED)

1K23 NS45003-01 Predictors and Outcomes of Pneumonia After Stroke

PI: Irene L. Katzan, MD 02/01/03 – 01/31/08 NIH / NINDS

Role: **Consultant** 5% supported effort (5% in kind)

Goal: For the candidate to learn methodologies related to assessing and analyzing stroke management in the community setting.

1K23 AG19211-01 Heart Failure and Beta-Blocker Use in Older Adults

PI: Ali Ahmed, MD 06/01/03 – 05/31/07 NIH / NIA

Role: **Consultant** 2% in kind effort

Goal: To determine prevalence and correlates of beta-blocker use in older adults with heart failure, and their association with outcomes.

K07 CA096705 Cancer-Related Disparities in the Elderly Population

PI: Siran Koroukian, PhD 09/01/03 – 08/31/08 NIH/NCI

Role: **Co-Mentor** 3% in kind effort

Goal: Compare cancer-related outcomes (stage of diagnosis, treatment, and follow-up care) among individuals 65 years of age or older diagnosed with breast, prostate, or colorectal cancer, using linked Ohio Cancer Incidence Surveillance System, Medicare, and Medicaid files. Comparisons will be aimed at identifying disparities by age, race, comorbidities, socioeconomic status, and Medicaid status.

Diabetes Telemedicine Consultation: A Systems Improvement Intervention

PI: David C. Aron, MD 10/01/05 – 09/30/09 NIH

Role: **Consultant** 4 hrs. supported year 1, 14 hrs. year 2, 4 hrs. year 3, 29 hrs. year 4

Goal: To evaluate and document the processes of outreach consultation through using joint-clinics via teleconferencing (teleconsultation) as an intervention for system improvement in care delivery and management of diabetes at community-based outpatient clinics (CBOCs). This is a cluster randomized trial of patients with diabetes at CBOCs in the Cleveland VAMC system.

2T32 HS00059-11 Training Program in Health Services Research

Co-PI: Alfred Rimm, PhD and Randall D. Cebul, MD 07/01/03 – 06/30/08 AHRQ

Role: **Faculty**

Goal: Pre- and post-doctoral training in health services research.

COMPLETED PROJECTS

R03 HS13412-01 Outcomes of the Nursing Home Prospective Payment System

PI: Patrick Murray, MD 09/30/02 – 09/29/04 AHRQ

Role: **Biostatistician**

Goal: To describe, detail, and evaluate the changes in provision of rehabilitation services to newly admitted nursing home patients following the implementation of the Nursing Home (NH) Prospective Payment System (PPS).

BIBLIOGRAPHY: Peer-reviewed ARTICLES PUBLISHED OR IN PRESS

1. Ahmed A **Love TE** Sui X Rich MW (in press) Effects of ACE Inhibitors in Systolic Heart Failure Patients with Chronic Kidney Disease: A Propensity Score Analysis. To appear in *Journal of Cardiac Failure*.
2. Ahmed A Rich MW Fleg JL Zile MR Young JB Kitzman DW **Love TE** Aronow WB Adams KF Gheorgiade M (in press) Effects of digoxin on morbidity and mortality in diastolic heart failure: The ancillary Digitalis Investigation Group Trial. To appear in *Circulation*.
3. Ahmed A Perry GJ Fleg JL **Love TE** Goff DC Kitzman DW (in press) Outcomes in ambulatory chronic systolic and diastolic heart failure: A propensity score analysis. To appear in *American Heart Journal*.
4. Ahmed A Husain A **Love TE** Gambassi G Dell'Italia LJ Francis GS Gheorgiade M Allman RM Meleth S Bourge RC (2006) Heart failure, chronic diuretic use, and increase in mortality and hospitalization: An observational study using propensity scores. *European Heart Journal* 27: 1431-1439.
5. Ahmed A Rich MW **Love TE** Lloyd Jones DM Aban IB Colucci WS Adams KF Gheorgiade M (2006) Digoxin and reduction in mortality and hospitalization in heart failure: A comprehensive *post hoc* analysis of the DIG trial. *European Heart Journal* 27: 178-186. With accompanying Editorial by Brophy JM Rehabilitating digoxin.
6. Bailit JL **Love TE** Dawson NV (2006) Quality of obstetric care and risk-adjusted primary cesarean rates *The American Journal of Obstetrics & Gynecology* 194 (2): 402-407.
7. Litaker D **Love TE** (2005) Health care resource allocation and individuals' health care needs: Examining the degree of fit. *Health Policy* 73: 183-193.
8. Murray PK **Love TE** Dawson NV Thomas CL Cebul RD (2005) Rehabilitation services following the implementation of the nursing home prospective payment system: Differences related to patient and nursing home characteristics. *Medical Care* 43: 1109-15
9. Litaker D Koroukian SM **Love TE** (2005) Context and health care access: Looking beyond the individual. *Medical Care* 43: 531-540.
10. Mentari EK DeOreo PB O'Connor AS **Love TE** Ricanati ES Sehgal AR (2005) Changes in Medicare reimbursement and patient-nephrologist visits, quality of care, and health-related quality of life. *American Journal of Kidney Diseases* 46: 621-627.
11. Bailit JL **Love TE** Mercer B (2004) Rising cesarean rates: Are patients sicker? *American Journal of Obstetrics and Gynecology*, 191: 800-803.
12. **Love TE** Linderman K (2003) A Weibull process failure mechanism for the economic design of MEWMA control charts. *Journal of Statistical Computation and Simulation*, 73: 195-202.
13. **Love TE** Hildebrand DK (2002) Statistics education and the Making Statistics More Effective in Schools and Business (MSMESB) conferences. *The American Statistician* 56: 107-112.
14. Linderman K **Love TE** (2000) Economic and Economic-Statistical designs for MEWMA control charts. *Journal of Quality Technology* 32: 410-417.
15. Linderman K **Love TE** (2000) Implementing Economic and Economic-Statistical Designs for MEWMA control charts. *Journal of Quality Technology* 32: 457-463.
16. **Love TE** (2000) A different approach to project assessment. *Journal of Statistics Education* [Online] 8(1). [<http://www.amstat.org/publications/jse>]
17. **Love TE** (1998) A project-driven second course. *Journal of Statistics Education* [Online] 6(1). [<http://www.amstat.org/publications/jse>]

BIBLIOGRAPHY: Peer-reviewed ARTICLES PUBLISHED OR IN PRESS [CONTINUED]

18. **Love TE** (1997) Distractor selection ratios. *Psychometrika* 62: 51-62.

Letters to the Editor

1. O'Connor A **Love TE** (2006) Propensity scores and observational research. *American Journal of Medicine* 119: e15-e16.

Book Chapters

1. Cebul RD Dawson NV **Love TE** (in press) Cluster randomized trials in health care research. *The Textbook of Clinical Trials, 2nd Edition* D Machin S Day S Green, eds., Wiley.

Non-Peer-Reviewed ARTICLES AND ESSAYS

1. **Love TE** (1997). Compromises and success stories in a project-driven second course. *ASA 1996 Proceedings of the Section on Statistical Education*, 117-122.
2. **Love TE** (1996) Nonparametric Statistics. Encyclopedia of Business, Gale Research.
3. **Love TE** (1996). Teaching, reading and doing statistical proofs. *ASA 1995 Proceedings of the Section on Statistical Education*, 199-204.

ARTICLES CURRENTLY UNDER SUBMISSION

1. Ahmed A Rich MW Sanders PW Perry GJ Bakris GL Zile MR **Love TE** Aban IB Shlipak MG Chronic kidney disease, left ventricular ejection fraction, and mortality in heart failure. Submitted to *Archives of Internal Medicine*.
2. Rose JH Bowman KF O'Toole EE Abbott K **Love TE** Thomas CL Dawson NV Caregiver objective burden and assessments of patient-centered family-focused care for frail elderly veterans. Submitted to *The Gerontologist*.
3. Wolf AW **Love TE** Lozoff B The dimensionality and hierarchical structure of the CES-D. Submitted to *Psychotherapy Research*.

RECENT PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS

1. Katzan I Thomas CL Murray PK **Love TE** Dawson NV Frequency and predictors of readmission in the first year after stroke. Presented at the 31st International Stroke Conference, Kissimmee FL, February 2006.
2. Wolf AW **Love TE** "Item Response Theory and The Assessment of Psychotherapy Outcome" American Psychological Association, Washington, DC, August 2005
3. Wolf AW **Love TE** "Item Response Theory and The Assessment of Psychotherapy Outcome" North American Society for Psychotherapy Research, Montreal, Quebec, Canada, June 2005

RECENT PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS

4. **Love TE** Dawson NV Thomas CL Cebul RD “A Cautionary Tale: Instrumental Variable Validation and Covariate Balance,” Section on Health Policy Statistics Topic Contributed Session on “Causal Inference in Health Services Research: Taking Account of Hidden Bias”, Joint Statistical Meetings, Toronto, August 2004
5. **Love TE** “Adaptive Assessment of Stroke Impact,” Section on Health Policy Statistics, Joint Statistical Meetings, San Francisco, August 2003
6. **Love TE** “Explaining Post-Propensity Score Covariate Balance.” International Biometric Society – Eastern North American Region Meeting, Tampa, April 2003
7. **Love TE** “Displaying Covariate Balance after Adjustment for Selection Bias,” Section on Health Policy Statistics, Joint Statistical Meetings, New York, August 2002
8. **Love TE** “Quality Improvement and Propensity Models,” Institute for Operations Research & the Management Sciences (INFORMS) Meeting, Miami, November 2001
9. **Love TE** Moderator and Convenor, “Special Plenary Session in Memory of David Hildebrand,” 15th MSMESB Conference, Syracuse University, June 2000

RECENT PRESENTATIONS AT REGIONAL MEETINGS

1. **Love TE** Linderman K “Economic and Statistical Concerns in the Design of Multivariate Control Charts” Elyria/Lorain Chapter, American Society for Quality, May 2005
2. Wolf AW **Love TE** Kraus D Castonguay L “Item Response Theory and Psychotherapy Outcome” Ohio Society for Psychotherapy Research, Toledo, Ohio, April 2005
3. **Love TE** “Why Statistical Thinking Matters,” Invited Address for the Greater Cleveland Council of Teachers of Mathematics Annual Awards Banquet, May 2004
4. **Love TE** “Educating Business Students and Quality: Lessons from the MSMESB Conferences,” American Society for Quality, Elyria/Lorain Chapter, November 2001
5. **Love TE** “Education, Quality and Making Statistics More Effective in Schools and Business,” American Society for Quality, Cleveland Chapter, May 2001
6. **Love TE** “Statistics Education and the MSMESB Conferences,” American Statistical Association, Cleveland Chapter, March 2001

RECENT PRESENTATIONS AT CASE WESTERN RESERVE UNIVERSITY & AFFILIATES

1. **Love TE** “A Statistician’s Adventures in Public Health Research: Balance and Design” Department of Statistics, Case Western Reserve University, March 2006
2. **Love TE** “Must We Be Misled By Observational Studies?” MetroHealth Medical Center Department of Medicine Grand Rounds, May 2005
3. **Love TE** “Item Response Theory, Adaptive Assessment, and Health Services Research” Louis Stokes Cleveland VA Medical Center, November 2004
4. Peterson L **Love TE** Katzan I Husak SA Cebul RD “Computer Based Stroke Impact Assessment.” MetroHealth Medical Center Research Days, September 2003
5. **Love TE** Litaker D “Hierarchical Modeling.” Methods Seminar Series, Center for Health Care Research & Policy, CWRU-MetroHealth, August 2002
6. **Love TE** “Item Response Models and Health Services Research.” Methods Seminar Series, Center for Health Care Research & Policy, CWRU-MetroHealth, July 2002

RECENT PRESENTATIONS AT CASE WESTERN RESERVE UNIVERSITY & AFFILIATES

(CONTINUED)

7. **Love TE** “Propensity Scores for Selection Bias Adjustment in Observational Studies,” Department of Operations, Weatherhead School of Management, March 2002
8. **Love TE** “Smoking, Stephen Jay Gould and Convertibles: Statistical Graphics for Data Presentation and Analysis,” Center for Health Care Research & Policy Methods Seminar Series, January 2002
9. **Love TE** “Improving Logistic Regression Analysis: Diagnostics and Model Selection,” Center for Health Care Research & Policy Methods Seminar Series, August 2001
10. **Love TE** “Making Statistics Education More Effective in Schools of Business,” Department of Statistics, February 2001
11. **Love TE** “Using Economic Designs for Multivariate Control Charts,” Department of Epidemiology & Biostatistics, November 2000
12. **Love TE** “Classification Accuracy and Precision for Discrete Response Models,” Center for Health Care Research & Policy, October 2000
13. **Love TE** “Classification Accuracy and Precision for Discrete Responses,” Department of Operations, April 2000

SELECTED STATISTICAL CONSULTING PROJECTS

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|-----------|--------------------------------------------------------------------------|
| 2002-05 | RM Consulting International, Chicago, IL. Propensity methodology. |
| 2003-04 | Office of Research & Technology Management, CWRU. Survey design. |
| 1998-2001 | Cleveland Zoological Society, Cleveland, OH. IT and survey-related work. |
| 1997 | Invacare Corp., Elyria, OH. Prediction model development. |
| 1996-97 | Weatherhead School of Management Alumni Association. Survey design. |
| 1996-97 | LTV Steel Company, Cleveland. Validation of outside consultant’s work. |
| 1995-96 | Capital American Life Insurance Co., Cleveland. Prediction algorithms. |