

JOHN STAUDENMAYER

EDUCATION

1998-2000 Ph.D. (Operations Research) Cornell University, Ithaca, NY, USA

1996-1998 M.S. (Operations Research) Cornell University, Ithaca, NY, USA

1989-1992 B.A. (Mathematics) Williams College, Williamstown, MA, USA

PROFESSIONAL EXPERIENCE

2014 - present Professor, Dept. of Mathematics and Statistics, University of Massachusetts, Amherst

2008 - 2014 Associate Professor, Dept. of Mathematics and Statistics, University of Massachusetts, Amherst

2001 - 2008 Assistant Professor, Dept. of Mathematics and Statistics, University of Massachusetts, Amherst

2000 - 2001 NIEHS Postdoctoral Training Grant Fellow, Harvard School of Public Health, Department of Biostatistics

1998 - 2000 NIEHS Predoctoral Training Grant Fellow, Cornell University

HONORS

2016 Fellow of the American Statistical Association

2017 UMass Convocation Research and Creativity Award

PEER REVIEWED PAPERS (in progress and under-review/revision papers are not included)

1. Susan Park, David Bassett, Scott Couter, Robert Marcotte, John Staudenmayer, and Stuart Troth. (2022). Free-living Validation and Harmonization of 10 Wearable Step-Count Monitor. *Translational Journal of the American College of Sports Medicine*. To appear.
2. Keenan, Rowley, Cho, Hyingstrom, Swartz, Martinez, Staudenmayer, Strath. (2022). Identification of latent classes of motor performance in a heterogeneous population of adults. *Archives of Rehabilitation*. To appear.
3. Belcher, Wolff-Hughes, Dooley, Staudenmayer, Berrigan, Eberhard, Troiano. (2022). U.S. Population-Referenced Percentiles for Wrist-Worn Accelerometer-Derived Activity. *Medicine and Science in Sports and Exercise*. To appear. (Selected as a “feature article.”)
4. Tudor-Locke, Ducharme, Aguiar, Schuna, Barreira, Moore, Chase, Gould, Amalbert-Birrie, Mora-Gonzalez, Chipkin, and Staudenmayer. (2022). Walking cadence (steps/min) and intensity in 41 to 60-year-old adults: The CADENCE-Adults study. *International Journal of Behavioral Nutrition and Physical Activity*. To appear.
5. Allison S. Hyingstrom, Chi C. Cho, Taylor W. Rowley, Kevin G. Keenan, John Staudenmayer, Ann M. Swartz, Scott J. Strath. (2021). Accelerometer Calibration: The

Importance of Considering Functionality. *Journal for the Measurement of Physical Behaviour*. 68-78.

6. Allison S. Hynngstrom, Chi C. Cho, Reivian Berrios Barillas, Mukta Joshi, Taylor W. Rowley, Kevin G. Keenan, John Staudenmayer, Ann M. Swartz, Scott J. Strath. (2020). Identification of Latent Classes of Motor Performance in a Heterogenous Population of Adults. *Archives of Rehabilitation Research and Clinical Translation*. Volume 2, Issue 4.
7. Melanna F. Cox, Greg J. Petrucci Jr., Robert T. Marcotte, Brittany R. Masteller, John Staudenmayer, Patty S. Freedson ,and John R. Sirard. (2020). A Novel Video-Based Direct Observation System for Assessing Physical Activity and Sedentary Behavior in Children and Young Adults. *Journal for the Measurement of Physical Behaviour*. Volume 3: Issue 1 Pages: 50–57.
8. Blankenship J, Chipkin S, Freedson P, Staudenmayer J, Lyden K, Braun B. (2019). Managing Free-Living Hyperglycemia with Exercise or Interrupted Sitting in Type 2 Diabetes. *J Appl Physiol*. 126(3):616-625.
9. Whitaker KM, Pettee Gabriel K, Buman MP, Pereira MA, Jacobs DR Jr, Reis JP, Gibbs BB, Carnethon MR, Staudenmayer J, Sidney S, Sternfeld B. (2019). Associations of accelerometermeasured sedentary time and physical activity with prospectively assessed cardiometabolic risk factors: the CARDIA Study. *J Am Heart Assoc*. 8(1).
10. Keadle SK, Lyden K, Strath S, Staudenmayer J, Freedson PS. (2019). Perspectives for Progress - A Framework to Evaluate Devices that Assess Physical Behavior. *Exercise and Sport Sciences Reviews*. 47(4), 206-214.
11. Tudor-Locke C, Aguiar E, Han H, Ducharme s, Schuna J, Barreira T, Moore C, Busa M, Lim J, Sirard J, Chipkin S, Staudenmayer J. (2019). Walking cadence (steps/min) and intensity in 21-40 year olds: CADENCE-Adults. *International Journal of Behavioral Nutrition and Physical Activity*. 16: 1-11.
12. Viskochil V, Lyden K, Staudenmayer J, Keadle S, Freedson P, Braun B. (2019). Elevated insulin levels following 7 days of increased sedentary time are due to lower hepatic extraction and not higher insulin secretion. *Appl. Physiol. Nutr. Metab*. To appear.
13. Matthews C, Keadle S, Berrigan D, Staudenmayer J, F Saint-Maurice P, Troiano R, Freedson P. (2018). Influence of accelerometer calibration approach on MVPA estimates for adults. *Med Sci Sports Exerc*. 50(11): 2285-2291.
14. Marcotte R, Petrucci G, Cox M, Freedson P, Staudenmayer J, Sirard J. (2018+). Estimating Sedentary Time from a Hip- and Wrist-Worn Accelerometer. *Med Sci Sports Exerc*. To appear.
15. Ray E, Sasaki J, Freedson PS, Staudenmayer J. (2018). Physical Activity Classification with Dynamic, Discriminative Methods. *Biometrics*. 74: 1502–1511.
16. Li H, Staudenmayer J, Wang T, Kozey-Keadle S, Carroll RJ. (2018). Three-part joint modeling methods for complex functional data mixed with zero-and-one inflated proportions and zero inflated continuous outcomes with skewness. *Statistics in Medicine*. 2018 Feb 20;37(4):611-626.
17. Yue X, Nelson S, Kerr J, Godbole S, Patterson R, Merchant G, Abramson I, Staudenmayer J, Natarajan L. (2018). Statistical approaches to account for missing values in accelerometer data. *Stat Methods Med Res*. (4):1168-1186.

18. Lyden K, Keadle K, Staudenmayer J, Freedson P. (2017). The activPAL Accurately Classifies Activity Intensity Categories in Healthy Adults. *Med Sci Sports Exerc.* 49:1022-1028.
19. Greg P, Freedson P, Masteller B, Cox M, Staudenmayer J, Sirard J. (2017). Sensitivity of the Misfit Shine to Detect Changes in Laboratory-Based and Free-Living Physical Activity. *Journal for the Measurement of Physical Behaviour.* 1:18-25.
20. Sasaki JE, Hickey AM, Staudenmayer JW, John D, Kent JA, Freedson PS. (2016). Performance of Activity Classification Algorithms in Free-Living Older Adults. *Med Sci Sports Exerc.* 48(5): 941-50.
21. Kerr J, Patterson RE, Ellis K, Godbole S, Johnson E, Lanckriet G, Staudenmayer J. (2016). Objective Assessment of Physical Activity: Classifiers for Public Health. *Med Sci Sports Exerc.* 48(5):951-7.
22. Ellis K, Kerr J, Godbole S, Staudenmayer J, Lanckriet G. (2016). Hip and Wrist Accelerometer Algorithms for Free-Living Behavior Classification. *Med Sci Sports Exerc.* 48(5): 933-40.
23. Li, H, Kozey-Keadle, S, Staudenmayer, J, Assaad, H, Huang, J, Carroll, RJ. (2015). Methods for three-level functional data to assess an exercise intervention trial. *Biostatistics.* 16(4): 754-71.
24. Staudenmayer, J, He, S, Hickey, A, Sasaki, J, Freedson PS. (2015). Methods to estimate aspects of physical activity and sedentary behavior from high frequency wrist accelerometer measurements. *Journal of Applied Physiology.* 119(4): 396-403.
25. Lyden, K, Kozey-Keadle, S, Staudenmayer, J, Braun, B, Freedson PS. (2015). Discrete features of sedentary behavior impact markers of cardiometabolic health. *Medicine and Science in Sports and Exercise.* 47(5): 1079-86.
26. Li, H, Staudenmayer, J, Carroll, RJ. (2014). Hierarchical functional data with mixed continuous and binary measurements. *Biometrics.* 70(4):802-11.
27. Ellis, K, Godbole, S, Marshall, S, Lanckriet, G, Staudenmayer, J and Kerr, J. (2014). Identifying active travel behaviors in challenging environments using GPS, accelerometers, and machine learning algorithms. *Front. Public Health.* Volume 2.
28. Sarkar, A, Mallick, B, Staudenmayer, J, Pati, D, Carroll, RJ. (2014). Bayesian Semiparametric Density Deconvolution in the Presence of Conditionally Heteroscedastic Measurement Errors. *Journal of Computational and Graphical Statistics.* 23(4):1101-1125.
29. Kozey-Keadle, S, Lyden, K, Libertine, A, Viskochil, R, Staudenmayer, J, Braun, B, Freedson PS. (2014). The independent and combined effects of exercise training and reducing sedentary behavior on cardiometabolic risk factors. *Applied Physiology, Nutrition, and Metabolism.* 39(7): 770–780.
30. Lyden, K, Kozey-Keadle, S, Staudenmayer, J, Freedson PS. (2014). A method to estimate freelifing active and sedentary behavior from an accelerometer. *Medicine and Science in Sports and Exercise.* 46(2): 386-97.
31. Lyden, K, Petruski, N, Mix, S, Staudenmayer, J, Freedson PS. (2014). Direct Observation is a Valid Criterion for Estimating Physical Activity and Sedentary Behavior. *Journal of Physical Activity and Health.* 11(4):860-3.

32. Kozey-Keadle, S, Libertine, Lyden, K, Staudenmayer, J, Freedson, PS. (2014). Changes in sedentary time and spontaneous physical activity in response to an exercise training and/or lifestyle intervention. *Journal of Physical Activity and Health*. 11(7): 1324-33.
33. John D, Jeffer S, Staudenmayer J, Mavilia M, Freedson PS. (2013). Comparison of Raw Acceleration from the GENEa and ActiGraph™ GT3X+ activity monitors. *Sensors*. 13(11): 14754-63
34. Altman, N, Balco, G, Crainiceanu, C, Gehrels, Qiu, J, Staudenmayer, J, Sullivan, P. (2013). Statistical Modeling of Changes in Relative Sea Level in Maine during the Holocene Era. *Environmetrics*. 24(5), 298-305.
35. John D, Staudenmayer J, Freedson P. (2013). Simple to complex modeling of breathing volume using a motion sensor. *The Science of the Total Environment*, 454-455, 184-8.
36. Liu S, Gao RX, John D, Staudenmayer J, Freedson P. (2013). Tissue artifact removal from respiratory signals based on empirical mode decomposition. *Ann Biomed Eng*. 41(5): 1003-15.
37. Lyden K, Kozey-Keadle S, Staudenmayer J, Freedson P, Alhassan S. (2012). Energy cost of common activities in children and adolescents. *Journal of Physical Activity and Health*. 9: 62-69.
38. Liu S, Gao R, He Q, Staudenmayer J, Freedson P. (2012). Improved regression models for ventilation estimation based on chest and abdomen movements. *Physiol Meas*. 33(1): 79-93.
39. Staudenmayer J, Zhu W, Catellier DJ. (2012). Statistical considerations in the analysis of accelerometry-based activity monitor data. *Med Sci Sports Exerc*. 44(1 Suppl 1): S61-7.
40. Liu S, Gao R, John D, Staudenmayer J, and Freedson P. (2012). Multi-Sensor Data Fusion for Physical Activity Assessment. *IEEE transactions on bio-medical engineering*, 59(3): 687-96.
41. Lyden K, Kozey Keadle SL, Staudenmayer JW, Freedson PS. (2012). Validity of two wearable monitors to estimate breaks from sedentary time. *Med Sci Sports Exerc*, 44: 2243-2252.
42. Kozey-Keadle S, Libertine A, Staudenmayer J, Freedson P. (2012). The Feasibility of Reducing and Measuring Sedentary Time among Overweight, Non-Exercising Office Workers. *J Obes*. 282-303.
43. Kozey Keadle, S Libertine A, Lyden K, Staudenmayer J, Freedson P. (2011). Validation of wearable monitors for assessing sedentary behavior. *Med Sci Sports Exerc*, 43(8): 1561-67.
44. John, D, Liu, S, Sasaki, JE, Howe, CA, Staudenmayer, J, Gao, RX, Freedson, PS. (2011). Calibrating a novel multi sensor physical activity measurement system. *Physiological Measurement*, 32:1473-1489.
45. Lyden K, Kozey SL, Staudenmeyer JW, and Freedson PS. (2011). A comprehensive evaluation of commonly used accelerometer energy expenditure and MET prediction equations. *Eur J Appl Physiol*, 111(2):187-201.
46. Freedson, PS, Lyden, K, Kozey-Keadle, S, Staudenmayer, J. (2011). Evaluation of artificial neural network algorithms for predicting METs and activity type from accelerometer data: Validation on an independent sample. *Journal of Applied Physiology*, 111: 1804-1812.

47. Kozey SL, Lyden K, Howe CA, Staudenmayer JW, Freedson PS. (2010). Accelerometer output and MET values of common physical activities. *Med Sci Sports Exerc.* 42(9): 1776-84.
48. Kozey S, Lyden K, Staudenmayer J, Freedson PS. (2010). Errors in MET estimates of physical activities using $3.5 \text{ ml} \times \text{kg}^{-1} \times \text{min}^{-1}$ as the baseline oxygen consumption. *J Phys Act Health.* 7(4):508-16.
49. Liu, A, Qin, L, Staudenmayer, J. (2010). M-type smoothing spline ANOVA for correlated data. *Journal of Multivariate Analysis.* 101(10): 2282–2296.
50. Howe, C, Staudenmayer, J, Freedson PS. (2009). Accelerometer Prediction of Energy Expenditure: Vector Magnitude vs. Vertical Axis. *Med Sci Sports Exerc,* 41(12): 2199-206.
51. Staudenmayer J, Pober D, Crouter S, Bassett DR Jr, Freedson, PS. (2009). An artificial neural network to estimate physical activity energy expenditure and identify physical activity type from an accelerometer. *Journal of Applied Physiology,* 107: 1300-1307.
52. Hasson, R, Haller, J, Pober, D, Staudenmayer, J, Freedson, PS. (2009). Validity of the Omron HJ-112 pedometer during treadmill walking. *Med Sci Sports Exerc,* 41(4): 805-809.
53. Staudenmayer J. (2009). Comment on Nonparametric Prediction in Measurement Error Models by Carroll, Delaigle, and Hall. *Journal of the American Statistical Association.* 104, 993-1014.
54. Staudenmayer J, Lake EE, Wand MP. (2009). Robustness for general design mixed models using the t-distribution. *Statistical Modeling,* 9(3): 235–255.
55. Buonaccorsi, J, Staudenmayer, J. (2009). Statistical Methods to Correct for Observation Error in a Density-Independent Population Model. *Ecological Monographs,* 79(2), 299-324.
56. Staudenmayer, J, Ruppert, D, Buonaccorsi, J. (2008). Density estimation in the presence of heteroskedastic measurement error. *Journal of the American Statistical Association,* 103, 726-736.
57. Pober D, Staudenmayer J, Raphael C, Freedson P. (2006). Development of a novel analytical technique to assess physical activity using accelerometers. *Med Sci Sports Exerc,* 38:1626-1634.
58. Staudenmayer, J, Buonaccorsi, J. (2006). Measurement error in a random walk model with applications to population dynamics. *Biometrics,* 62, 1178-1189.
59. Calabrese, E, Staudenmayer, J, Stanek, E. (2006). Drug Development and Hormesis. *Drug Discovery and Development,* 9, 117- 123.
60. Zhao, Y, Staudenmayer, J, Coull, B, Wand, MP. (2006). General Design Bayesian Generalized Linear Mixed Models. *Statistical Science,* 35-51.
61. Buonaccorsi, J, Staudenmayer, J, Carreras, M. (2006). Modeling observation error and its effects in a random walk / extinction model. *Theoretical Population Biology,* 70, 322-335.
62. Maselko, J, Kubzansky, L, Kawachi, I, Staudenmayer, J, Berkman, L. (2006). Religious service attendance and changes in pulmonary function in a high functioning elderly cohort. *Annals of Behavioral Medicine,* 245- 253.

63. Calabrese, E, Staudenmayer, J, Stanek, E, Hoffman, G. (2006). Hormesis Outperforms Threshold Model in NCI Anti-tumor Drug Screening Database. *Toxicological Sciences*, 94, 368-378.
64. Ganguli, B, Staudenmayer, J, Wand, MP. (2005). Additive Models with Predictors Subject to Measurement Error. *Australia and New Zealand Journal of Statistics*, 47, 193-202.
65. Staudenmayer, J, Buonaccorsi, J. (2005). Measurement Error in Linear Autoregressive Models. *Journal of the American Statistical Association*, 100, 841-852.
66. Wright, R, Finn, P, Contreras, JP, Cohen, S, Wright, RO, Staudenmayer, J, Wand, MP, Perkins, D, Weiss, S, Gold, DR. (2004). Chronic Caregiver Stress and IgE Expression, Allergen-induced Lymphocyte Proliferation, and Cytokine Profiles in a Birth-cohort Predisposed to Atopy. *Journal of Allergy and Clinical Immunology*, 1051- 1057.
67. Coull, B, Staudenmayer, J. (2004). Self-modeling Regression for Multivariate Curve Data. *Statistica Sinica*, 14, 695-711.
68. Staudenmayer, J, Ruppert, D. (2004). Local Polynomial Regression and SIMEX. *Journal of the Royal Statistical Society, Series B*, 66, 17-30.
69. Staudenmayer, J, Spiegelman, D. (2002). Segmented regression in the presence of covariate measurement error in main study / validation study designs. *Biometrics*, 58, 871-877.
70. Myatt, T, Staudenmayer, J, Adams, K, Walters, M, Rudnick, S, and Milton, D. (2002). A study of indoor carbon dioxide levels and sick leave among office workers. *Environmental Health: A Global Access Science Source*, 1-3.
71. Staudenmayer, J. (2001). Estimating Functions. In *Encyclopedia of Environmetrics*. John Wiley and Sons.
72. Staudenmayer, J. (2001). The Probit Model. In *Encyclopedia of Environmetrics*. John Wiley and Sons.
73. Aherns, C, Altman, N, Casella, G, Eaton, M, Hwang, GJT, Staudenmayer, J, Stefanescu, C. (2001). Leukemia clusters and TCE Wastesites in Upstate New York: How adding covariates changes the story. *Environmetrics*, 12, 659-672.

SELECTED FUNDING (amounts are approximate direct funding, pending grants not included)

1. Calibration of physical activity estimates. (NIH Contract.) PI. 6/1/20-5/31/21. \$10,000
2. Calibrating Free Living Physical Activity Characteristics Across Functionally Limited Populations Using Machine Learning. (NIH, R01.) PI on subcontract to University of Wisconsin. 4/1/16-3/30/21. \$2,500,000.
3. Novel Accelerometer Calibration and Validation in Children and Adolescents (NIH, R01.) PI. 7/2/16-7/1/21. \$2,875,000.
4. Validation of the Pregnancy Physical Activity Questionnaire (PPAQ). (NIH, R21.) Joint PI with Chasen-Tabor. 8/1/18-7/31/20. \$250,000.
5. Cadence (steps per unit time). (NIH, R01.) Investigator. Tudor-Locke PI. 6/15/15-3/31/20. ~\$2,000,000.
6. A nonparametric approach to isotemporal regression (NIH Contract.) PI. 1/1/18-12/31/18. \$10,000.
7. Misfit validation project. (Misfit.) Investigator. Boyer PI. 7/1/16-7/1/18. \$100,000.

8. Measurement Error, Nutrition, Physical Activity and Cancer. (NIH.) Consultant. Carroll PI. 7/1/15-6/30/19. ~\$25,000.
9. Objective Monitoring Solutions Service Program Package. (Actigraph/Anonymous Pharma.) PI. 5/15-9/18. ~\$250,000.
10. Objective Monitoring Solutions Service Program Package. (Actigraph/ Anonymous Pharma.) Co-PI. Freedson PI. 5/14-9/16. ~\$175,000.
11. Evaluation of consumer wearable sensors to estimate physical activity. (Reebok.) Investigator. Freedson PI. 6/14-8/14. ~\$57,000.
12. Physical Activity Calibration in Individuals with Movement Limitations. (NIH, R21.) PI on subcontract to University of Wisconsin. Strath PI. 7/15/14-7/14/16. ~\$110,000.
13. Behavioral database architecture for the storage, analysis, and reporting of biosignal datasets. (NIH SBIR.) PI on subcontract from Enformia. 9/13-9/15. ~\$50,000.
14. Physical Activity Calibration. (NIH.) Consultant. Strath PI. 9/1/14-8/31/14.
15. TREC: Physical Activity Measurement, (NIH.) Consultant. Kerr PI. 11-16. \$15,000.
16. Technology to assess physical activity and sedentary behavior in aging adults with osteoarthritis. (UMass Life Sciences Moment Fund.) Co-PI. Freedson PI. 11/1/10 – 10/30/12. ~\$20,000.
17. Advancing Physical Activity Measurement Using Pattern Recognition Techniques. (NIHARA Challenge Grant.). Co-PI. Freedson PI. 9/30/09 – 8/31/11. \$494,446.
18. Development of an Integrated Measurement System to Assess Physical Activity. (NIH-U01.) Co-PI. Freedson PI. 8/1/07-6/30/11. \$2,195,835.
19. Novel Analytic Methods for Estimating Physical Activity. (NIH-R01.) Co-PI. Freedson PI. 9/1/06-8/30/11. \$1,578,473.
20. Comparison of the 7164 Actigraph to the GT1M Actigraph during Self- Paced Walking in Adults. (Contract from National Cancer Institute). Investigator, 07/07-5/31/08.
21. Stress, Environment, and Genetics in Urban Asthma. (NIH-R01.) PI to subcontract from Channing Institute. 01/05-01/09. ~\$40,000.
22. Pedometer Calibration and Energy Expenditure Estimation. (Omron, Inc.) Investigator, 05/06-06/06. \$5,000.
23. Measurement Error in Time Series / Longitudinal Study Data. (NSF.) Co-PI. Buonaccorsi PI. 06/03-06/06. \$211,033.
24. Measurement Errors in Cancer Epidemiology. (NIH-R01.). PI to subcontract from Harvard School of Public Health. Spiegelman PI. 06/02-09/02. \$20,000.

PROFESSIONAL SERVICE (Conference / session organization is not included.)

Associate Editorship / Guest Editorship:

- 2016- Associate Editor, Journal of the Measurement of Physical Behaviour
- 2007-2018 Associate Editor, Biometrics
- 2014-2018 Associate Editor, Journal of the American Statistical Association
2007-2011
- 2010-2016 Associate Editor, Electronic Journal of Statistics
- 2013-2014 Guest Editor. Physiological Measurement. Focus Issue on Ambulatory

Monitoring of Physical Activity and Movement

Ad hoc journal /book reviewer:

- American Journal of Epidemiology
- Annals of Statistics
- Biometrics
- Biometrika
- Communications in Statistics
- Computational Statistics and Data Analysis
- CRC Press
- Environmental Protection Agency
- Environmetrics
- Houghton-Mifflin
- Journal of Agricultural, Biological and Ecological Statistics
- Journal of Applied Physiology
- Journal of Physical Activity and Health
- Journal of the American Statistical Association
- Journals of the Royal Statistical Society (various)
- Medicine and Science in Sports and Exercise
- Statistics in Medicine
- Statistica Sinica
- Wellcome Trust
- Wiley

Tenure Reviewer

On average, I have done this about once a semester in the past few years. Recently, I have reviewed colleagues at Johns Hopkins, Texas A&M, University of Arizona, University of Florida, and Wellesley College.

Federal Grant Review Panels / ad hoc grant reviewing

- 2010- Ad hoc member of the National Institutes of Health grant review panel. (Kidney, Nutrition, Obesity, and Diabetes, invited to be standing member)
- 2020- Ad hoc member of the National Institutes of Health grant review panel. (Technology Assisted Clinical Informatics Review Panel)
- 2021- Ad hoc member of the National Institutes of Health grant review panel. (**Biostatistical** Methods and Research Design)
- Ad hoc reviewer for EPA
- Ad hoc reviewer for NSF
- Ad hoc reviewer for ERC
- Ad hoc reviewer for the Wellcome Trust

- Ad hoc reviewer for the Romanian Executive Agency

Professional Associations:

- American Statistical Association: Non-parametric statistics student paper award committee chair (2013-2014)
- American Statistical Association: Non-parametric statistics section treasurer. (2017-2019)
- Member American Statistical Association
- Member Biometric Society, ENAR
- Member International Society for the Measurement of Human Behaviour

PHD STUDENTS

Major Role

- Bright Boasiako (Math and Stat), Major Advisor (Current student, PhD)
- Robert Marcotte (Kinesiology), Committee Member, (Current student, PhD)
- Vasin Suntayodom (Math and Stat), Major Advisor, (Current student, PhD)
- Yue Chang (Math and Stat), Major Advisor, (2018 PhD). Currently working in biotech.
- Albert Mendoza (Kinesiology), Committee Member, (2017 PhD). Currently an Assistant Professor at Cal State East Bay.
- Jennifer Blankenship (Kinesiology), Committee Member, (2016 PhD). Currently a postdoc at University of Colorado.
- Evan Ray (Math and Stat), Major Advisor, (2015 PhD). Currently an Research Assistant Professor at UMass-Amherst, biostatistics.
- Jeffer Sasaki (Kinesiology), Committee Member, (2014 PhD), Currently a post-doc at University of Illinois.
- Yue Zhao (Math and Stat), Major Advisor, (2012 PhD), Currently employed by Point72 Asset Management.
- Sarah Kozey-Keadle (Kinesiology), Committee Member, (2012 PhD). Currently an assistant professor at Cal-Poly.
- Kate Lyden (Kinesiology), Committee Member, (2012 PhD). Currently an independent consultant.
- Meng-Shiou Shieh (Math and Stat), Major Advisor, (2009 PhD). Currently a biostatistician at Bay State Medical Center.
- David Pober (Kinesiology), Committee Member, (2003-2007). Currently an Assistant Professor at Fitchburg State University.

Minor Role (partial list)

- Scott Ducharme (Kinesiology), Committee Member
- Davit Kachatryan (Operations Management), Committee Member

- Damien Callahan (Kinesiology), Committee Member
- Marwan Mattar (Computer Science), Committee Member
- Gary Huang (Computer Science), Committee Member
- Rebecca Hassan (Kinesiology), Committee Member
- Anita Christie (Kinesiology), Committee Member
- Moon-Yong Baek (Resource Economics), Committee Member
- Brooke Stephens (Kinesiology), Committee Member
- Wei Li (Computer Science), Committee Member
- Vanessa Murdock (Computer Science), Committee Member
- Jennifer Neville (Computer Science), Committee Member
- Gary Holness (Computer Science), Committee Member
- Ying Lu (Education), Committee Member
- Raj Gupta (Computer Science), Committee Member
- Ramesh Nallapati (Computer Science), Committee Member