



ASRM Newsletter – Year 2005

A newsletter of the University of Northern Colorado Program of Applied Statistics and Research Methods

From the Program Coordinator

Dear ASRM alumni:

There have been a number of changes to ASRM since our last newsletter. Drs. Ann Thomas and Dale Shaw both retired in 2004 and 2005, respectively. Fortunately for us both Ann and Dale have continued their association with ASRM through dissertation committee involvement as well as adjunct teaching. During the past year we were pleased to welcome two new faculty members: Dr. Lisa Rue and Dr. Radu Lazar. Lisa was hired to work half-time as director of evaluation for the Colorado GEAR-UP project and half-time as an evaluation specialist within ASRM. Radu is teaching statistics as a visiting faculty on a one-year appointment. Also, since the last newsletter ASRM has undergone an organizational change as part of UNC's Charting the Future endeavor. ASRM is now one of three programs (joining Educational Technology and Educational Leadership) in the new School of Educational Research, Leadership, and Technology. During the restructuring process, programs became departments, program coordinators replaced department chairs, and Dr. Dan Mundfrom moved from department chair to school director. Despite the name and title changes, the ASRM program (formerly department) has remained relatively intact, although we have continued to improve by adding two new courses to our curriculum including SRM 620: Advanced Statistical Programming which is being offered this fall by Dr. Jamie Perrett. Also SRM 641: Structural Equation Modeling will be taught as a special topics course in spring 2007 before becoming a permanent part of the ASRM curriculum. We hope you enjoy the newsletter and will stay in touch by letting us know of any good news you might want to share with your former professors and classmates in the next newsletter.

Sincerely,

Susan Hutchinson
ASRM Program Coordinator

From the Editor

We would like to hear from you: your successes, your new adventures, etc.
Please keep us informed of your news so we can include it in future newsletters.



Also, in an effort to save trees and expenses, we will be sending future newsletters as email attachments. If you would like to receive future newsletters, please send an email so indicating to keyleigh.gurney@unco.edu.

Department Graduates

Congratulations to our 2005 graduates!



Spring 2005

M.S.: Alan Moore

Summer 2005

M.S.: Raj Chandran, Joshua Cox, Emily Pollock, Tara Rusher

Fall 2005

M.S.: Jeri Garrett, Lynette Parker, Cheryl Williams

Ph.D.: Myoung-Jin Kim

Faculty Retirement

We wish to extend our thanks and well wishes to Dale Shaw who retired after 32 years with UNC. He continues to assist with the teaching of online SRM 600 courses as he eases in to retirement.

New Faculty

Lisa Rue joined the faculty in November 2005 after completing her Ph.D. work in Educational Leadership at Colorado State University. Her primary work will be on the GEAR UP grant as coordinator of the evaluation. She will also be teaching evaluation courses for us.

Radu Lazar will join the faculty in a one-year term appointment in the Fall 2006 semester as we continue to search for a permanent replacement for Dale Shaw's position. Radu spent 2005 on the faculty at the University of California at Santa Barbara. He graduated with a Ph.D. in statistics from the University of Minnesota. His interests include Bayesian Statistics and Mathematical Statistics.

We are happy that both Lisa and Radu could join us.

Congratulations

Maria Lahman and her husband Brent were pleased to welcome Martin Byard Lahman into their family. Martin was born on November 18, 2005.

Faculty Position

If you, or someone you know would be interested in applying for an applied statistics faculty position, please contact Dan Mundfrom at daniel.mundfrom@unco.edu.

Faculty Research Presentations

Our faculty has been busy. Here is a list of 2005 faculty presentations:



Rue, L. (Nov. 2005) *Primary Prevention of Adolescent Sexual Risk Behavior: A School-based Model*. Abstinence Evaluation Conference 2005, Baltimore, MD: Health and Human Services.

Schaffer, Jay R., and Heiny, Erik, *The Effects of Elevation on Slugging Percentage in Major League Baseball*, (Apr. 2005) University of Northern Colorado Research Day, Greeley, CO; (Aug. 2005) Joint Statistical Meetings, Minneapolis, MN,

Schaffer, Jay R., and Kim, Myoung-Jin, (Nov. 2005), *Minimum Number of Replications Required in a Control Chart Simulation Study*. ASRM Colloquium, University of Northern Colorado, Greeley, CO.

Lahman, M. (Feb. 2005) *Teaching and learning narrative research*. Symposium. Advances in Qualitative Research, Edmonton, Canada.

Ku, H-Y., Lahman, M. E., Yeh, H-T., & Cheng, Y-C. (Oct. 2005) *Preparing international doctoral students for future faculty roles*. International Conference of the Association for Educational Communications and Technology (AECT), Orlando, FL.

Webb, K., Asselin, S., Bassett, D., Wandry, D. Williams, J., & Hutchinson, S. (Oct. 2005) *Identifying the Barriers to Effective Transition Planning and Implementation: A study of Teacher Candidates from Five Teacher Preparation Programs*. Council for Exceptional Children's Division on Career Development and Transition International Conference. Albuquerque, NM.

Faculty Research Presentations (cont.)

Lahman, M. E. with Coleman, J., Couture, R., Cribelli, S., Filaccio, M. L., Geist, M., Fox-Parrish, L., Kronauge, C., Lee, V., Martin, T., Rial, A., and Sappington L. A. (Feb. 2005) *The lone wolf really runs as a pack: Team ethnography*. Paper Session. Forum in Educational Ethnography, Philadelphia, PA.

Lahman, M. E. (Apr. 2005) *Narrative and Intimacy*. Paper Session. American Education Research Association, Montreal, Canada.

Hutchinson, S., & Lahman, M. E. (Aug. 2005) *Trends and issues: The current context for educational research*, College of Education and Behavioral Sciences Faculty Retreat, University of Northern Colorado.

Shelley II, M. C., Mundfrom, D. J., & Gunel, M. (2005). Education research meets the gold standard: Statistics, education, and research methods after “No Child Left Behind.” Invited panel presentation at the Joint Statistical Meetings, Minneapolis, MN.

Mundfrom, D. J. & Young III, J. (2005). Minimum Sample Size Requirements for Two-Way MANOVA. Paper presented at the Joint Statistical Meetings, Minneapolis, MN.

Young, S., Thompson, K., Bruce, M. A., Shaw, D. G., & Mundfrom, D. J. (2005). Course difficulty, workload, expected grades, and student evaluations in online courses. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada.

Perrett, Jamis. *A Method for Analyzing Unreplicated Agricultural Experiments*. (Apr. 2005) Conference on Applied Statistics in Agriculture, Manhattan, KS; (Aug. 2005) Joint Statistical Meetings, Minneapolis, MN; (Nov. 2005) ASA-SSSA-CSSA Annual Meetings, Salt Lake City, UT

Perrett, Jamis. (Jan. 2005) *SAS Tips and Tricks*. ASRM Colloquium, University of Northern Colorado, Greeley, CO.

Faculty Publications Journal Articles:



Wells, D., Southall, R., Stotlar, D., & Mundfrom, D. J. (2005). *Factors related to annual fundraising contributions from individual donors to NCAA division I-A institutions*. International Journal of Educational Advancement. 6(1), pp. 3-10.

Mundfrom, D. J., Heiny, R. L., & Hoff, S. (2005). *Power ratings for NCAA division II football*. Communications in Statistics—Simulation and Computation. 34(3), pp. 811-826.

Mundfrom, D. J., Shaw, D. G., & Ke, T. L. (2005). *Minimum sample size recommendations for conducting factor analyses*. International Journal of Testing. 5(2), pp. 159-168.

Mecklin, C. & Mundfrom, D. J. (2005). *A monte carlo comparison of the type I and type II error rates of tests of multivariate normality*. Journal of Statistical Computation and Simulation. 75(2), pp. 93-107.

Books:

Schaffer, Jay R. (2005). Instructor's Solution Manual, Elementary Statistics: Picturing the World, 3rd ed., New Jersey: Prentice-Hall, Inc.

Schaffer, Jay R. (2005). Student's Study Guide, Elementary Statistics: Picturing the World, 3rd ed., New Jersey: Prentice-Hall, Inc.



Faculty Grant-writing Activity

Hutchinson, S.R., Lahman, M.E., & Mundfrom, D. (2005-11). *Evaluation of Colorado GEAR-UP Program*. \$525,312. Colorado Commission on Higher Education.

Lahman, M. E. (2005). Co PI with Heng-Yu Ku, *Preparing International Doctoral Students for Future Faculty Roles*, \$3,300.00, UNC, CCoRE, Greeley, CO.

Awards

Hutchinson, S. Outstanding Service Provider, College of Education and Behavioral Sciences, University of Northern Colorado

