

## Faculty Vita

Revised  
October, 2007

**NAME:** *Daniel J. Mundfrom*

**POSITION:** Professor of Applied Statistics and Research  
Methods  
University of Northern Colorado

**HOME ADDRESS:** 2630 17<sup>th</sup> St.  
Greeley, CO 80634

**TELEPHONE:** Office: (970) 351-1669  
Home: (970) 356-2449  
Fax: (970) 351-1622  
e-mail: daniel.mundfrom@unco.edu

### EDUCATION:

<u>Year(s)</u>	<u>Degree</u>	<u>Institution</u>	<u>Area of Study</u>
1987-91	Ph. D.	Iowa State University	Statistics, Educational Research and Evaluation
1985-87	M. S.	University of North Dakota	Mathematics, Statistics
1973-77	B. S.	University of North Dakota	Mathematics, Secondary Education, Athletic Coaching

### WORK EXPERIENCE:

#### Professional Academic:

<u>Year(s)</u>	<u>Institution/Organization</u>	<u>Position</u>	<u>Responsibilities</u>
2007- present	University of Northern Colorado	Professor  Program Coordinator	Teaching, Research, Advising, Recruiting, Service, Consulting Applied Statistics and Research Methods program

2005-07	University of Northern Colorado	Professor Director	Teaching, Research, Advising, Recruiting, Service, Consulting Oversee operation of the School of Educational Research, Leadership, and Technology
2004-05	University of Northern Colorado	Professor Department Chair Interim Director	Teaching, Research, Advising, Recruiting, Service, Consulting Oversee operation of the ASRM Department Prepare for the operation of the School of Educational Research, Leadership, and Technology
2002-2004	University of Northern Colorado	Professor Department Chair	Teaching, Research, Advising, Recruiting, Service, Consulting Oversee operation of the ASRM Department
1997-2002	University of Northern Colorado	Associate Professor	Teaching, Research, Advising, Recruiting, Service, Consulting
1995-1997	University of Northern Colorado	Assistant Professor	Teaching, Research, Advising, Recruiting, Service, Consulting
1991-1995	University of Arkansas at Little Rock	Assistant Professor	Research, Consulting, Teaching, Service
1991	Iowa State University	Instructor	Teaching
1987-1991	Iowa State University	Graduate Assistant	Teaching, Course Coordinator for Stat 101
1985-1987	University of North Dakota	Graduate Assistant	Teaching
1983-1985	Turtle Mountain Community High School Belcourt, ND	Instructor/Coach	Math Teacher Basketball Coach
1982-1983	Sheyenne Public School Sheyenne, ND	Instructor/Coach	Math Teacher, Basketball Coach, Track Coach
1981-1982	West Fargo Public Schools West Fargo, ND	Instructor/Coach	Math Teacher Basketball Coach

1977- 1981	Fordville Public School Fordville, ND	Instructor/Coach	Math Teacher, Basketball, Baseball, and Track Coach
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**Professional Non-Academic:**

1990 (summer)	National Security Agency Ft. George G. Meade, MD	Mathematician	(Details are classified)
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**AREA OF SPECIALIZATION:**

Statistical Methods, Multivariate Statistics, Linear Models, Educational Research

**RESEARCH AREAS/INTERESTS:**

Teaching Statistics, Applications of Multivariate Statistical Methods, Statistical Education, Imputation Techniques, Sample Size Issues in Multivariate Analysis, Simulation Studies, Statistical Methods

**PROFESSIONAL PUBLICATIONS:**

**Juried:**

Knofczynski, G. T. & Mundfrom, D. J. (in press). Recommended sample sizes and sample size to predictor ratios when using multiple linear regression for prediction purposes. Accepted for publication in Educational and Psychological Measurement.

Mundfrom, D.J., Perrett, J. J., Schaffer, J., Piccone, A., & Roozeboom, M. (2006). Bonferroni adjustments in tests for regression coefficients. Multiple Linear Regression Viewpoints, 32(1), pp. 1-6.

Williams, S., Dunn, B., Mundfrom, D. J., & Kronauge, C. (2006). Youth risk behavior survey: A breakdown of adolescent risk behaviors. Multiple Linear Regression Viewpoints, 32(1), pp. 39-43.

Geist, M. R., Gallo, P. A. O., Grimmer, M., & Mundfrom, D. J. (2006). Protective factors and risk factors in preschool aged children. Multiple Linear Regression Viewpoints, 32(1), pp. 7-13.

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.

Mecklin, C. & Mundfrom, D. J. (2004). An appraisal and bibliography of tests for multivariate normality. International Statistical Review, 72(1), pp. 123-128.

Mundfrom, D. J., Young, S., Shaw, D. G., Thomas, A., & Moore, A. D. (2003). A common knowledge base in introductory graduate research courses. Research in the Schools, 10(2), pp. 71-78.

Shaw, D., Young, S., Schaffer, J., & Mundfrom, D. J. (2003). A strategy for addressing the validity of a teacher effectiveness instrument. Multiple Linear Regression Viewpoints, 29(1), pp. 44-48.

Mecklin, C. & Mundfrom, D. J. (2003). On using asymptotic critical values in testing for multivariate normality. InterStat: Statistics on the Internet, 9(1), pp. 1-12.

Mundfrom, D. J. & Schultz, M. (2002). A monte carlo simulation comparing parameter estimates from multiple linear regression and hierarchical linear modeling. Multiple Linear Regression Viewpoints, 28(1), pp. 18-21.

Mundfrom, D. J. & Schultz, M. (2001). A comparison between hierarchical linear modeling and multiple linear regression in selected datasets. Multiple Linear Regression Viewpoints, 27(1), pp. 3-11.

Mundfrom, D. J. & Whitcomb, A. J. (1998). Imputing missing values: The effect on the accuracy of classification. Multiple Linear Regression Viewpoints, 25(1), pp. 13-19.

Mundfrom, D. J., Miller, W. G., & Bradley, G. (1996). Perceptions of course difficulty. Journal of Industrial Technology, 12(4), pp. 2-10.

Harwell, M., Mundfrom, D., Curtis, D., & Gold, K. (1996). Evaluating statistics texts used in education and psychology. Journal of Educational and Behavioral Statistics, 21(1), pp. 3-34.

Bradley, R., Whiteside, L., Mundfrom, D., Blevins-Knabe, B., Casey, P., Caldwell, B., Kelleher, K., Pope, S., & Barrett, K. (1995). Home environment and adaptive social behavior among premature, low birthweight children: Alternative models of environmental action. Journal of Pediatric Psychology, 20(3), pp. 347-362.

Roberson P. K., Shema, S., Mundfrom, D. J., & Holmes, T. (1995). Evaluating change and preference questions using paired Likert scale data. Family Medicine, 27(10), pp. 671-675.

Bradley, R., Whiteside, L., Mundfrom, D., Casey, P., Kelleher, K., & Pope, S. (1994). Contribution of early intervention and early caregiving experiences to resilience in low-birthweight, premature children living in poverty. Journal of Clinical Child Psychology 23(4), pp. 425-434.

Bradley, R., Whiteside, L., Mundfrom, D., Casey, P., Caldwell, B., & Barrett, K. (1994). Impact of the infant health and development program (IHDP) on the home environments of infants born prematurely with low birthweight. Journal of Educational Psychology, 86(4), pp. 531-541.

Bradley, R., Mundfrom, D., Whiteside, L., Casey, P., & Barrett, K. (1994). A factor analytic study of the infant-toddler and early childhood versions of the HOME inventory administered to white, black, and Hispanic American parents of children born preterm. Child Development, 65(3), pp. 880-888.

Bradley, R., Mundfrom, D., Whiteside, L., Caldwell, B., Casey, P., Kirby, R., & Hanson, S. (1994). A re-examination of the association between HOME scores and income. Nursing Research, 43(5), pp. 260-266.

Mundfrom, D. J. (1994). A problem in permutations: The game of 'Mousetrap'. European Journal of Combinatorics, 15(6), pp. 555-560.

Bradley, R., Whiteside, L., Mundfrom, D. J., Casey, P., Kelleher, K., Pope, S. (1994). Early indications of resilience and their relation to experiences in the home environments of low birthweight, premature children living in poverty. Child Development, 65(2), pp. 346-360.

Mundfrom, D. J., Bradley, R. H., Whiteside, L. (1993). A factor analytic study of the infant-toddler and early childhood versions of the HOME inventory. Educational and Psychological Measurement, 53(2), pp. 479-490.

### **Non-Juried:**

Pavlat, D.J., Breithaupt, T., Mundfrom, D.J., & Schneider, C. M. (2002). The effects of strenuous exercise on cardiac markers in an inactive population. Medicine and Science in Sports & Exercise, 34(5), Supplement 1:S112

Mundfrom, D. J. & Davis, P. (1995). Project MAST: Mathematics and science together evaluation report, Center for Research on Teaching and Learning, University of Arkansas at Little Rock, Little Rock, AR.

Roberson P. K., Shema, S. J., Mundfrom, D. J., & Holmes, T. M. (1995). Evaluating change and preference questions using paired Likert scale data., American Statistical Association, 1994 Proceedings of the Social Statistics Section. pp. 189-191.

Mundfrom, D. J., Bradley, R. H., & Whiteside, L. (1994). A socio-cultural analysis of the home environment. American Statistical Association, 1993 Proceedings of the Social Statistics Section, pp. 695-700.

Mundfrom, D., Cosenza, R., Brockunier, N., Ferrell, O., & Jain, A. (1994). MGMT 316: business analysis methods course guide (Second Edition). Office of Instructional Development with Undergraduate Programs, University of Maryland University College, College Park, MD.

Mundfrom, D. J., Cosenza, R. M., Brockunier, N. & Ostrow, M. H. (1993). MGMT 316: business analysis methods course guide (First Edition). Undergraduate Programs, University of Maryland University College, College Park, MD.

Mundfrom, D. J., Connors, W., & Skaggs, G. (1992). BEHS 202: Introduction to research methods and statistics course guide (Second Edition). Office of Instructional Development, University of Maryland University College, College Park, MD.

Mundfrom, D. J., Connors, W., & Skaggs, G. (1992). BEHS 202: Introduction to research methods and statistics course guide (First Edition-Revised). Office of Instructional Development, University of Maryland University College, College Park, MD.

## **PROFESSIONAL PRESENTATIONS:**

### **Juried:**

Roozeboom, M., Mundfrom, D. J., and Perrett, J. (2007). A modified Bonferroni procedure for multiple tests. A paper presented at the Joint Statistical Meetings, Salt Lake City, UT, July, 2007.

Lien, C. Y., Hydock, D. S., Mundfrom, D. J., Schneider, C. M., and Hayward, R. (2007). Endurance training protects against *In Vivo* and *Ex Vivo* doxorubicin cardiotoxicity. A paper presented at the Rocky Mountain ACSM Annual Meeting, Colorado Springs, CO, March, 2007.

Mundfrom, D. J., Perrett, J., Schaffer, J., Piccone, A. & Roozeboom, M. (2006). An examination of the utility of Bonferroni adjustments for tests of regression coefficients. Paper presented at the Joint Statistical Meetings, Seattle, WA, August, 2006.

Mundfrom, D. J., Perrett, J., & Schaffer, J. (2006). Bonferroni adjustments for tests of beta coefficients in multiple linear regression. Paper presented at the American Educational Research Association Annual Meeting, San Francisco, CA, April, 2006.

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, August 2005.

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

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, April 2005.

Mundfrom, D. J., Ussawarujikulchai, A., & Shaw, D. G. (2004). How many replications are needed in a simulation study? Paper presented at the Joint Statistical Meetings, Toronto, Ontario, Canada, August 2004.

Mundfrom, D. J., Heiny, R. L., & Hoff, S. (2003). Power ratings for NCAA division II football. Paper presented at the Joint Statistical Meetings, San Francisco, CA, August 2003.

Mundfrom, D. J., Shaw, D. G., Ke, T. L., Knofczynski, G., & McFann, K. (2003). Minimum sample size for exploratory factor analysis. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL, April 2003.

Shaw, D. G., Schaffer, J., Mundfrom, D. J., & Young, S. (2002). Validating a teacher effectiveness instrument. Paper presented at the 20<sup>th</sup> Annual Meeting of the Northern Rocky Mountain Educational Research Association, Estes Park, CO, October 2002.

Mundfrom, D. J., Shaw, D. G., Ke, T. L., Knofczynski, G., & McFann, K. (2002). Sample size recommendations in exploratory factor analysis. Paper presented at the 20<sup>th</sup> Annual Meeting of the Northern Rocky Mountain Educational Research Association, Estes Park, CO, October 2002.

Mundfrom, D. J., Heiny, R., & Hoff, S. (2002). Using SAS procedures in the development of the NCAA division II power ranking system. Paper presented at the 10<sup>th</sup> Annual Conference of the Western Users of SAS Software, San Diego, CA, September 2002.

Schultz, M. R. & Mundfrom, D. J. (2001). A comparison of parameter estimates from multiple linear regression and hierarchical linear models. Paper presented at the Joint Statistical Meetings, Atlanta, GA, August 2001.

Mundfrom, D. J., Shaw, D. G., Ke, T. L. (2001). Factor analysis and sample size. Paper presented at the Joint Statistical Meetings, Atlanta, GA, August 2001.

Raymond, K., Karlin, N., Alcorn, M., & Mundfrom, D. J. (2001). The development and preliminary validation of the social information processing inventory. Paper presented at the 71<sup>st</sup> Annual Convention of the Rocky Mountain Psychology Association, Reno, NV, April 2001.

Mundfrom, D. J., Shaw, D. G., Ke, T. L. (2001). Sample size issues in factor analysis. Paper presented at the American Educational Research Association Annual Meeting, Seattle, WA, April 2001.

Mecklin, C. & Mundfrom, D. J. (2000). How should I test for multivariate normality? Paper presented at the Joint Statistical Meetings, Indianapolis, IN, August 2000.

Mecklin, C. & Mundfrom, D. J. (2000). Comparing power of classical and newer tests of multivariate normality. Paper presented at the American Educational Research Association Annual Meeting, New Orleans, LA, April 2000.

Mundfrom, D. J. (2000). A SAS-based sequence of graduate level statistics courses for non-stat majors. Paper presented at the 2<sup>nd</sup> Biennial Western Statistics Teachers Conference, Greeley, CO, March 2000.

Mundfrom, D. J. & Schultz, M. (1999). MLR or HLM: Is there a practical difference? Paper presented at the annual Joint Statistical Meetings, Baltimore, MD, August 1999.

Mundfrom, D. J. & Schultz, M. (1999). A comparison between hierarchical linear modeling and multiple linear regression. Paper presented at the American Educational Research Association Annual Meeting, Montreal, Quebec, Canada, April 1999.

Young, S., Shaw, D., Moore, A., & Mundfrom, D. (1999). Learning research and statistics: Can we teach for long-term recall. Paper presented at the American Educational Research Association Annual Meeting, Montreal, Quebec, Canada, April 1999.

Collins, J. M., O'Connell, T. A., Mundfrom, D. J., & Muchinsky, P. M. (1998). Female frauds in the corporate suites: Personality and biographical predictors of white collar criminals and non-criminals. Paper presented at the annual meeting of the American Society of Criminology, Washington, D.C., November 1998.

Young, S., Mundfrom, D. J., Shaw, D. G., Thomas, A., & Moore, A. D. (1998). A common knowledge base in introductory graduate research courses. Paper presented at the Northern Rocky Mountain Educational Research Association Annual Meeting, Chico Hot Springs, MT, October 1998.

Mundfrom, D. J. & Whitcomb, A. J. (1998). Imputing missing values: The effect on the accuracy of classification. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA, April 1998.

Mundfrom, D. J., Young, S., Moore, A., Shaw, D., & Thomas, A. (1998). Introductory graduate research courses: An examination of the knowledge base. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA, April 1998.

Young, S., Moore, A., Shaw, D., & Mundfrom, D. J. (1997). Competencies in graduate education: What should students know about research and statistics. Paper presented at the

Northern Rocky Mountain Educational Research Association Annual Meeting, Jackson, WY, October 1997.

Mundfrom, D., Davis, P., Dickerson, L., & Briggs, K. (1996). Math and science together: A curriculum development project to improve student performance in mathematics and science. Paper presented at the American Educational Research Association Annual Meeting, New York, NY, April 1996.

Frerichs, D. K., Brookshire, B., & Mundfrom, D. J. (1996). Applying SAS software for power analysis involving ANOVA significance tests using more than one source of error variance. Paper presented at the Southwest Educational Research Association Annual Conference, New Orleans, LA, January 1996.

Frerichs, D. K., Mundfrom, D. J., Sittiwong, P., & Chang, A. (1995). Power analysis in multivariate analysis of variance using SAS software. Paper presented at the Southwest Educational Research Association Annual Conference, Dallas, TX, January 1995.

Bradley, R. H., Whiteside, L., & Mundfrom, D. J. (1994). Dimensions of parenting for children with disabilities during early adolescence, Paper presented at the Mid-South Educational Research Association Annual Meeting, Nashville, TN, November 1994.

Roberson, P. K., Shema, S. J., Mundfrom, D. J., & Holmes, T. M. (1994). Evaluating change and preference questions using paired likert scale data, Paper presented at the Joint Statistical Meetings of the American Statistical Association, Toronto, Ontario, Canada, August 1994.

Bradley, R. H., Whiteside, L., Mundfrom, D. J., Casey, P. H., Kelleher, K., & Pope, S. (1994). Resilience in impoverished, premature children: impact of early intervention and early caregiving experiences, Paper presented at the Gulfcoast Regional Pediatric Psychology Conference, New Orleans, LA, April 1994.

Harwell, M., Curtis, D., Gold, K., & Mundfrom, D. J. (1994). Evaluating statistics texts used in education and psychology classes, Symposium presented at the American Educational Research Association Annual Meeting, New Orleans, LA, April 1994.

Harwell, M., Mundfrom, D., & Gold, K. (1994) An empirical study comparing several frequently adopted statistics texts in education and psychology, Paper presented at the American Educational Research Association Annual Meeting, New Orleans, LA, April 1994.

Bradley, R., Whiteside, L., Mundfrom, D., Casey, P., Kelleher, K., & Pope, S. (1994). The contribution of early intervention and early caregiving experiences to resilience in low birthweight, premature children living in poverty, Paper presented at the 9th Biennial Meeting of the Southwestern Society for Research in Human Development, Austin, TX, February 1994.

Bradley, R. H., Whiteside, L., Mundfrom, D. J., Blevins-Knabe, B., Casey, P. H., Kelleher, K., Pope, S. (1993). Patterns of environmental action and adaptive social behavior in premature,

low birthweight children from three socio-cultural groups. Paper presented at the 4th Florida Conference on Child Health Psychology, Gainesville, FL, April 1993.

Cook, N. R., Hoskyn, J., Quellmalz, E. S., & Mundfrom, D. J. (1993). Multicultural reading and thinking (McRAT). Paper presented at the American Educational Research Association Annual Meeting, Atlanta, GA, April 1993.

Mundfrom, D. J., Bradley, R. H., & Whiteside, L. (1993). A social-cultural analysis of the home environment. Paper presented at the American Statistical Association Winter Conference, Ft. Lauderdale, FL, January 1993.

Mundfrom, D. J., Miller, W. G., & Shelley, M. C. II (1992). An application of course difficulty estimates to the prediction of academic performance. Paper presented at the American Educational Research Association Annual Meeting, San Francisco, CA, April 1992.

Mundfrom, D., Shelley, M., & Miller, W. (1992). Perceptions of course difficulty. Paper presented at the American Statistical Association Winter Conference, Louisville, KY, January 1992.

#### **Non-Juried:**

Mundfrom, D. J., Heiny, R. L., & Hoff, S. (2007). Power ratings for NCAA division II football. Invited seminar in the Applied Statistics and Research Methods Program, University of Northern Colorado, Greeley, CO, September 2007.

Mundfrom, D. J. (2005). Statistical practices in educational research: Can we make a silk purse from a sow's ear? Invited presentation at the Gold Standard(s) of Quality Research in Science Literacy Conference, University of Victoria, Victoria, BC, Canada, October 2005.

Mundfrom, D. J., Shaw, D. G., Ke, T. L., Knofczynski, G. & McFann, K. (2004). Exploratory factor analysis and sample size. Invited seminar in the Department of Mathematics and Statistics, South Dakota State University, Brookings, SD, March 2004.

Mundfrom, D. J. & Whitcomb, A. (2003). Imputation and classification: The effect of replacing missing data on the accuracy of group placement. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, September 2003.

Mundfrom, D. J., Hoff, S., & Heiny, R. L. (2002). A statistical approach to ranking college football teams. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, November 2002.

Hoff, S., Mundfrom, D. J., & Heiny, R. L. (2002). NCAA division II football power rankings. Paper presented at the 2002 University of Northern Colorado Research Conference, Greeley, CO, April 2002.

Mundfrom, D. J., Shaw, D. G., & Ke, T. L. (2001). How large a sample do I need to run a factor analysis?. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, May 2001.

Mundfrom, D. J. (2001). HOME scores, income, and SES. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, February 2001.

Mecklin, C. & Mundfrom, D. J. (2000). A Comparison of the power of classical and newer tests of multivariate normality. Paper presented at the 2000 University of Northern Colorado Research Conference, Greeley, CO, April 2000.

Mundfrom, D. J. (1999). Factor analyses of the HOME inventory. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, October 1999.

Mundfrom, D. J. & Schultz, M. R. (1999). Analyzing multi-level data. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, April 1999.

Schultz, M. R. & Mundfrom, D. J. (1999). Hierarchical linear modeling vs. multiple linear regression: Is one method superior to the other? Paper presented at the 1999 University of Northern Colorado Graduate Scholarship Symposium, Greeley, CO, April 1999.

Mundfrom, D. J. & Whitcomb, A. (1998). Imputation and classification. Invited seminar in the Department of Applied Statistics and Research Methods, University of Northern Colorado, Greeley, CO, September 1998.

Mundfrom, D. J., Bradley, R. H., & Whiteside, L. (1995). Using factor analysis in measuring the home environment. Invited seminar in the Division of Educational Psychology, Statistics, and Technology, University of Northern Colorado, Greeley, CO, July 1995.

Mundfrom, D. J., Bradley, R., Whiteside, L., Caldwell, B., Casey, P., Kirby, R., & Hanson, S. (1995). HOME scores and income: Does the HOME inventory measure more than SES. Invited seminar in the Division of Statistics, University of Idaho, Moscow, ID, March 1995.

Mundfrom, D., Miller, W., & Shelley, M. (1991). Perceptions of course difficulty. Invited seminar in the Department of Mathematics and Statistics, Bucknell University, Lewisburg, PA, April 1991.

Mundfrom, D. J. (1990). A problem in permutations: The game of MOUSETRAP. Invited seminar in the Department of Mathematics, Simpson College, Indianola, IA, March 1990.

## **FUNDED PROJECTS:**

2005-11	Principal Investigator Evaluation of Colorado GEAR UP Program, Colorado Commission on Higher Education \$525,312
2005	Principal Investigator Difficult Concepts in Engineering Mechanics and Circuits, National Science Foundation (through Colorado School of Mines) \$15,500
2001-02	Co-Principal Investigator (with Dale Shaw, UNC) Appropriate Sample Sizes for Conducting Factor Analyses, UNC Faculty Research and Publications Board \$2500
1998	Principal Investigator A comparison of Hierarchical Linear Modeling & multiple regression models in research, UNC Summer Graduate Research Assistantship \$3310 plus tuition assistance
1997	Principal Investigator The Effect of Imputing Missing Values on the Classification of Cardiac Patients, UNC Graduate School Summer Graduate Research Assistantship \$4242 plus tuition assistance
1994-95	Principal Investigator A Statistical Analysis of Heart Disease Data for Reducing the Cost of Rural Health Care, Arkansas Science and Technology Authority \$36,904
1993-95	Co-Principal Investigator (with Bob Bradley, UALR) Norming and Validating the Early Adolescent HOME Inventory National Institutes of Health, Department of Health and Human Services, \$197,191