

**CURRICULUM VITAE**  
**Joseph J. Stevens**

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**TEACHING AND RESEARCH INTERESTS:**

Measurement, assessment, and methodology including statistical and quantitative methods, educational and psychological measurement, and applications to issues in education including large-scale and classroom assessment of language and mathematics, accountability systems and the evaluation of teacher and school effectiveness, and the determination of assessment validity and effectiveness especially for diverse populations.

**EDUCATIONAL RECORD:**

- 1983            Doctor of Philosophy completed at the University of Arizona in August, 1983.  
Major area of study: Experimental Psychology. Minor area of study: Quantitative  
Methods and Research Design
- 1976            Master of Arts completed at the University of Arizona in May, 1976 in  
Experimental Psychology
- 1974-76        National Institute of Mental Health Fellowship in Research
- 1974            Bachelor of Arts with distinction completed at the University of Arizona in May,  
1974; major: Psychology, minor: Sociology

**EMPLOYMENT HISTORY:**

- 2005-present   Associate Professor, College of Education, University of Oregon
- 2001-2005      Professor, College of Education, University of New Mexico
- 1995-2001      Associate Professor, College of Education, University of New Mexico
- 1996-97        Program Coordinator, Educational Psychology Program, UNM
- 1991-95        Assistant Professor, Educational Foundations, UNM

- 1988-91 Measurement Statistician, College Board Statistical Analysis, Educational Testing Service
- 1987-88 Project Director, Psychological Measurement Group, The Psychological Corporation
- 1983-87 Faculty Research Associate, Office of Instructional Research and Development, University of Arizona

**TEACHING EXPERIENCE:**

- 2006-present College of Education, University of Oregon
- 1991-2005 College of Education, University of New Mexico
- 1985-87 Adjunct Professor, Department of Psychology, University of Arizona
- 1975-79 Teaching Assistant and starting in 1977, Instructor, Department of Psychology, University of Arizona

**Courses Taught:**

Undergraduate courses in Introductory Psychology, Experimental Psychology, Psychological Measurement, Assessment and Testing, Statistics, Learning, and Comparative Psychology.

Graduate courses in Research Design, Statistical Analysis and Design, Advanced Statistics, Multiple Regression, Multilevel Modeling, Multivariate Statistical Methods, Educational and Psychological Measurement, Alternative Assessment, Psychophysics, Classical and Modern Test Theory, Structural Equation Modeling, Survey and Questionnaire Design and Analysis, School Effectiveness and Accountability Systems, Dissertation Seminar, Program Evaluation.

**New Course Development:**

Graduate courses in Alternative Assessment, Structural Equation Modeling, Survey and Questionnaire Design and Analysis; School Effectiveness and Accountability Systems; redesign of graduate courses in Statistical Design and Analysis, Advanced Measurement and Assessment, Seminar in Educational Statistics with Policy Applications, Multivariate Statistics.

## RESEARCH ACTIVITIES:

### A. Refereed Journal Articles:

Zvoch, K., & Stevens, J. J. (revise and resubmit). Measuring and Evaluating School performance: An Investigation of Status and Growth-Based Achievement Indicators. *Educational Evaluation and Policy Analysis*.

Stevens, J. J. (in press). Psychometric issues in the design of NCLB science assessments, *Measurement: Interdisciplinary Research and Perspectives*.

Stevens, J. J., & Zvoch, K. (in press). Confirmatory factor analysis of the CTBS5/TerraNova. *Educational and Psychological Measurement*.

Johnson, B., Stevens, J. J., Zvoch, K. (in press). Teachers' Perceptions of School Climate: A Validity Study of the Revised School Level Environment Questionnaire (SLEQ). *Educational and Psychological Measurement*.

Zvoch, K., & Stevens, J.J. (2006). Longitudinal effects of school context and practice on middle school mathematics achievement. *Journal of Educational Research*, 99(6), 347-356.

Johnson, B., & Stevens, J. J. (2006). Student Achievement and Elementary Teachers' Perceptions of School Climate. *Learning Environments Research Journal*, 9(2).

Zvoch, K., & Stevens, J. J. (2006). Successive student cohorts and longitudinal growth models: An investigation of elementary school mathematics performance. *Education Policy Analysis Archives*, 14(2). Available from <http://epaa.asu.edu/epaa/v14n2/>.

Zvoch, K., & Stevens, J. J. (2005). Sample exclusion and student attrition effects in the longitudinal study of middle school mathematics performance. *Educational Assessment*, 10(2), 105-123.

Flowerday, T., Schraw, G., & Stevens, J. J. (2004). The role of choice and interest in reader engagement. *Journal of Experimental Education*, 72(2), 93-114.

Zvoch, K., & Stevens, J. J. (2003). A multilevel, longitudinal analysis of middle school math and language achievement. *Educational Policy Analysis Archives*, 11(20). [available at <http://epaa.asu.edu/epaa/vol11n20>].

Parkes, J., & Stevens, J. J. (2003). Legal issues in school accountability systems. *Applied Measurement in Education*, 16 (2), 141-158.

- Johnson, B., & Stevens, J. J. (2001). Exploratory and confirmatory factor analysis of the School Learning Environment Questionnaire (SLEQ), *Learning Environments Research Journal*, 4(3), 325-344.
- Dauphinee, T. L., Schau, C., & Stevens, J. J. (1997). Survey of Attitudes Toward Statistics: Factor structure and factorial invariance for females and males. *Structural Equation Modeling*, 4(2), 129-141.
- Stevens, J. J. (1995). Confirmatory factor analysis of the Iowa Tests of Basic Skills. *Structural Equation Modeling: A Multidisciplinary Journal*, 2(3), 214-231.
- Schau, C., Stevens, J. J., Dauphinee, T. L., & DeVecchio, A. (1995). The development and validation of the Survey of Attitudes Towards Statistics. *Educational and Psychological Measurement*, 55, 868-875.
- Lam, T. C. M., & Stevens, J. J. (1994). Effects of content polarization, item wording, and rating scale width on rating response. *Applied Measurement in Education*, 7(2), 141-158.
- Stevens, J. J. (1993). A review of Understanding Social Science Statistics: A Spreadsheet Approach, *Educational Measurement: Issues and Practice*, 12(1), 34-36.
- Naglieri, J. A., Das, J. P., Stevens, J. J., and Ledbetter, M. F. (1991). Confirmatory factor analysis of planning, attention, simultaneous, and successive cognitive processing tasks. *Journal of School Psychology*, 29, 1-17.
- Stevens, J. J., & Aleamoni, L. M. (1986). The role of weighting in the use of aggregate scores. *Educational and Psychological Measurement*, 46, 523-531.
- Stevens, J. J. (1985). Legal issues in the use of peer evaluation. *Instructional Evaluation*, 8, 17-21.
- Stevens, J. J., & Aleamoni, L. M. (1985). Issues in the development of peer evaluation systems. *Instructional Evaluation*, 8, 4-9.
- Stevens, J. J. & Aleamoni, L. M. (1985). The use of evaluative feedback for instructional improvement: A longitudinal perspective. *Instructional Science*, 13, 285-304.

## **B. Book Chapters, Monographs, and Testing Manuals:**

- Stevens, J. J., & Zvoch, K. (2006). Issues in the implementation of longitudinal growth models for student achievement. In R. Lissitz (Ed.), *Longitudinal and value added modeling of student performance*. Maple Grove, MN: JAM Press.

- Stevens, J. J. (2005). The study of school effectiveness as a problem in research design. In R. Lissitz (Ed.), *Value-added models in education: Theory and applications*. Maple Grove, MN: JAM Press.
- Ginther, A., & Stevens, J. J. (1998). Language background, ethnicity, and the internal construct validity of the Advanced Placement Spanish Language Examination. In A. Kunan (Ed.), *Validation in Language Assessment*. Mahaw, NJ: Lawrence Erlbaum.
- Stevens, J. J., Olguin, S., Craven, J., & Winograd, P. (1997). *A program evaluation model for the APS/UNM Partnership*. Albuquerque, NM: APS/UNM Partnership.
- Contributions to *The Wechsler Preschool and Primary Scale of Intelligence-Revised (WPPSI-R)*, 1989. San Antonio, TX: The Psychological Corporation.
- Stevens, J. J. (1988). *Kohn Problem Checklist/Kohn Social Competence Scale Manual: Research Edition*. San Antonio, TX: The Psychological Corporation.
- Stevens, J. J. (1987). Using student ratings to improve instruction. In L.M. Aleamoni (Ed.), *New directions for teaching and learning: Techniques for instructional improvement and evaluation*, Number 31, San Francisco, Ca.: Jossey-Bass.
- Stevens, J. J. (1987). Additional sources and information. In L.M. Aleamoni (Ed.), *New directions for teaching and learning: Techniques for instructional improvement and evaluation*, Number 31, San Francisco, Ca.: Jossey-Bass.
- Aleamoni, L. M. & Stevens, J. J. (1986). *Arizona course/instructor evaluation questionnaire (CIEQ): Results interpretation manual, Form 76, Second Edition*. Tucson, Arizona: Office of Instructional Research and Development, University of Arizona.
- Vining, J., & Stevens, J. J. (1986). The assessment of landscape quality: Major methodological considerations. In Smardon, R.C., Palmer, J.F., & Felleman, J.P. (Eds.), *Foundations for project visual analysis*. New York: John Wiley and Sons.

**C. Refereed Papers:**  
**International and National**

- Stevens, J.J., & Zvoch, K. (2007, April). *Evaluating the validity of status and growth measures in state accountability systems*. Paper submitted for presentation at the Annual Meeting of the American Educational Research Association, Chicago, IL.

- Stevens, J. J., & Zvoch, K. *Using Multilevel, Longitudinal Models for Program and School*

- Evaluation*. Paper accepted for presentation at the annual conference of the American Evaluation Association, Portland, OR, November, 2006.
- Stevens, J. J., Farley, M., & Zvoch, K. (2006). *Examination of the Internal Structural Validity of the TerraNova-CTBS/5*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Zvoch, K., & Stevens, J. J. (2005). *Successive student cohorts and longitudinal growth models: An investigation of middle school mathematics performance*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Pirritano, M., Stevens, J. J., & Moreno, R. (2005). *The structure of self-concept across age and cultural group*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- McCormick, C., Moreno, R., & Stevens, J. J. (2005). *A study of the development of metacognitive knowledge and processes related to mathematics performance*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Stevens, J. J. (October, 2004). *The study of school effectiveness as a problem in research design*. Paper presented at the University of Maryland, Department of Measurement, Statistics, and Evaluation Conference on Value-Added Modeling: Issues with Theory and Applications, College Park, MD.
- Stevens, J. J., & Moreno, R. (2004). *A multilevel, longitudinal analysis of ethnic differences in children's mathematics achievement*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Zvoch, K., Chavez de Daigle, D. M., & Stevens, J. J. (2004). *Dropping out of high school: interactions between student and school characteristics and student dropout status*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Stevens, J. J. (2003). *Fairness in Accountability and Assessment: Some Lessons from New Mexico*. Presentation at the La Cosecha Dual Language Conference, Santa Ana Pueblo, NM.
- Valdez, F., & Stevens, J. J. (2003). *Comparability of the CELF-3 across referred student and standardization samples*. Paper presented at the annual meeting of the American Speech-Language and Hearing Association (ASHA), Chicago, IL
- Thorstensen, B. I. & Stevens, J. J. (2003). *Confirmatory Factor Analysis of the*

- Massachusetts Comprehensive Assessment System Exam*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Johnson, B., Stevens, J. J., & Zvoch, K. (2003). *Teachers' Perceptions of School Climate: A Validity Study of the Revised School Level Environment Questionnaire (SLEQ)*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Zvoch, K., & Stevens, J. J. (2003). *School Effects on Middle School Mathematics Achievement: A Multilevel, Longitudinal Analysis*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Moreno, R., & Stevens, J. J. *Factors of cognitive diversity in children's mathematics performance: A theoretical framework*. Paper presented at the annual national conference on the Relevance of Assessment and Culture in Evaluation, Phoenix, AZ, January, 2003.
- Stevens, J. J., Parkes, J., & Brown, S. (2002). *The use of composite scores in state accountability systems*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Brown, S., Fix, T., Stevens, J. J., & Parkes, J. (2002). *A multilevel analysis of teachers' perceptions of school climate: School effects and implications for policy*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Parkes, J., & Stevens, J. J., & Brown, S. (2001). *Legal threats to school accountability systems*. Paper presented at the annual meeting of the Education Law Association, Albuquerque, NM.
- Stevens, J. J. (2001). *Confirmatory Factor Analysis of the CTBS5/TerraNova*. Paper presented at the annual meeting of the American Educational Research Association, Seattle, WA.
- Stevens, J. J., & Parkes, J. (2001). *School Effects on Teacher Satisfaction and Retention: Policy Implications of a Multilevel Analysis*. Paper presented at the annual meeting of the American Educational Research Association, Seattle, WA.
- Stevens, J. J., Estrada, S., & Parkes, J. (2000). *Measurement issues in the design of state accountability systems*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.

- Johnson, B., & Stevens, J. J. (2000). *Elementary teachers' perceptions of school climate and student achievement*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Johnson, B. & Stevens, J. J. (1999). *Factor analysis of a school climate instrument*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Quebec.
- Stevens, J. J., & Clauser, P. (1996). *Longitudinal examination of a writing portfolio and the ITBS*. Paper presented at the annual meeting of the American Educational Research Association, New York, New York.
- Jacobi, D., & Stevens, J. J. (1996). *Teacher's Professional Preparation and Classroom Instructional Practices in Relation to NAEP Mathematics Achievement*. Paper presented at the annual meeting of the American Educational Research Association, New York, New York.
- Stevens, J. J. (1995). *Confirmatory factor analysis of the ITBS*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, California.
- Stevens, J. J., & Clauser, P. (1995). *Multitrait-multimethod comparisons of a writing portfolio and the ITBS*. Paper presented at the annual meeting of the National Council for Measurement in Education, San Francisco, California.
- Ginther, A., & Stevens, J. J. (1995). *Factorial invariance of a language placement examination*. Paper presented at the annual meeting of the National Council for Measurement in Education, San Francisco, California.
- Ginther, A., & Stevens, J. J. (1995). *Language background, ethnicity, and the internal construct validity of the Advanced Placement Spanish Language Examination*. The annual meeting of the Language Research Testing Colloquium, Long Beach, CA.
- Stevens, J. J., & Morgan, R. (1993). *The effects of calculator use on mathematics placement test performance*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, Georgia.
- Schau, C., Del Vecchio, A., & Stevens, J. J. (1992). *Sex Equity in postsecondary faculty salaries*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, California.

Lam, T. C. M., & Stevens, J. J. (1992). *Effects of scale content, item wording, and response scale width on rating response: A summary of preliminary findings*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, California.

Stevens, J. J., Aleamoni, L. M., & Powel, W. D. (1986). *Improving university teaching through the use of instructional resources*. Paper presented at the Twelfth International Conference on Improving University Teaching, Heidelberg, Germany.

Cooper, L.A., Mowafy, L., & Stevens, J. J. (1986). *Perceiving hidden structure: View-independent recognition of constructed three-dimensional representations*. Paper presented at the annual meeting of the Psychonomic Society, New Orleans, Louisiana.

Stevens, J. J., Arkowitz, H.S., Sladeczek, I. E., & Ridley, C. A. (1985). *Measurement issues in the use of marital adjustment scales*. Paper presented at the annual meeting of the American Psychological Association, Los Angeles, California.

Stevens, J. J. (1984). *Using student ratings to improve instruction*. Paper presented at the Annual Conference on Instructional Improvement and Evaluation Techniques for Colleges and Universities, Tucson, Az.

Stevens, J. J., & Daniel, T. C. (1982). *Dynamic processes in memory for randomly derived shapes*. Paper presented at the annual meeting of the American Psychological Association in Washington D.C.

#### **Refereed Papers: Regional**

Stevens, J. J. (2006). *Using Growth Models in NCLB Accountability Systems with Examples of Growth of Special Education Children*. Paper presented at the annual conference of the Confederation of Oregon School Administrators, Seaside, OR.

Stevens, J. J. (2006). *Using Growth Models in NCLB Accountability Systems*. Paper presented at the annual conference of the Confederation of Oregon School Administrators, Seaside, OR, June, 2006.

Dunavin, R., Thorstensen, B., & Stevens, J. J. (2001). *What Albuquerque Public School teachers have to say about professional development, and factors important in teacher and school effectiveness*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Las Cruces, NM.

Brown, S., & Stevens, J. J. (2001). *Psychometric Issues in the Use of the New Mexico Achievement Assessment Program*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Las Cruces, NM.

- Stevens, J. J., & Clauser, P. (1995, October). *Comparisons of Hispanic and Anglo students' performance on a writing assessment and the ITBS*. The Rocky Mountain Educational Research Association, Albuquerque, NM.
- Stevens, J. J. (1994). *Estimating common, specific, and error variance of the ITBS*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Tempe, Arizona.
- Jacobi, D., & Stevens, J. J. (1994). *Models of the factors affecting mathematics achievement*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Tempe, Arizona.
- McClure, B., & Stevens, J. J. (1994). *A survey of the graphical and tabular methods used in educational research journals*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Tempe, Arizona.
- Clauser, P., & Stevens, J. J. (1993). *Using NAEP data bases*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Las Cruces, NM.
- Ginther, A., & Stevens, J. J. (1993). *Using item parcels in confirmatory factor analysis based on binary data*. Paper presented at the annual meeting of the Rocky Mountain Educational Research Association, Las Cruces, NM.
- Stevens, J. J., Stempiski, M. O., Seeley, G. W., & Daniel, T. C. (1985). *Reproduction and recognition memory for quantifiable random polygons*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Tucson, Arizona.
- Stevens, J. J., Stempiski, M. O., & Aleamoni, L. M. (1985). *The analysis of commonly used rating scale response alternatives*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Tucson, Arizona.
- Keller, J. L., Toubassi, E., Stevens, J. J., & Aleamoni, L. M. (1985). *Using textbooks effectively to increase active learning behaviors in a mathematics classroom*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Tucson, Arizona.
- Stevens, J. J. (1983). *Assimilation in memory for randomly derived shapes*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association in Snowbird, Utah.

Stevens, J. J., & Hedger, D.D. (1982). *A comparison of the psychological perceptions and the mathematical relationships among randomly derived shapes*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association in Albuquerque, New Mexico.

Stevens, J. J., & Daniel, T. C. (1982). *Dynamic processes in memory for visual forms*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association in Albuquerque, New Mexico.

Stevens, J. J., Schroeder, H., & Daniel, T. C. (1981). *A review of current procedures for shape construction in memory for form research*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association in Denver, Colorado.

Stevens, J. J., Schroeder, H., & Daniel, T. C. (1979). *Perception of randomly constructed shape stimuli*. Paper presented at the annual meeting of the Rocky Mountain Psychological Association, Las Vegas, Nevada.

Sears, M. K., Stevens, J. J., & Daniel, T. C. (1979). *A review of current interpretations and implications of memory for form research*. Paper presented at the annual meeting of Rocky Mountain Psychological Association in Las Vegas, Nevada.

#### **D. Research Grants:**

*Assessing Cognitive Diversity: Implications for Hispanic, Native American, and White Children's Mathematics Learning*. Roxana Moreno, Principal Investigator, Joseph Stevens, & Richard Duran, Co-PIs. Funded by the National Science Foundation, January, 2003-December, 2005 (\$1,331,909).

*School Accountability Systems: Issues, Recommendations, and Guidelines*, proposal to the New Mexico Research and Study Council, Joseph Stevens, Principal Investigator, unfunded (\$6,994), September, 2000.

*New Mexico Project on Alignment of an Inclusive Assessment System and State Content Standards*, U.S. Department of Education, Joseph Stevens, Principal Investigator, DOE program funding withdrawn by Congress (\$1,513,134), May, 1997.

Recipient of the *AERA Grants Program Institute on Statistical Analysis for Education Policy*. Jointly funded through NSF and the National Center for Education Statistics, April, 1994.

*Hierarchical Linear Modeling, Structural Equation Modeling, and Graphical Display of Data.* Funded by the College of Education Overhead Funds Allocation Committee, University of New Mexico. Joseph J. Stevens, Principal Investigator, May, 1994 to December, 1994 (\$1,220).

*Preparation and Analysis of NAEP TSA Data.* Funded by the College of Education Overhead Funds Allocation Committee, University of New Mexico. Joseph J. Stevens, Principal Investigator, January, 1994 to May, 1994 (\$1,995).

*Impact of Resources on the Mathematics Achievement of Students Differing in Ethnic and Community Background.* Proposal submitted to the U.S. Department of Education, National Center for Education Statistics, Joseph J. Stevens, Principal Investigator, 1994, (\$67,715, unfunded).

*Sex Equity in Post-Secondary Faculty Salaries.* Proposal submitted to the Spencer Foundation, Candace Schau and Joseph Stevens, principal investigators, June, 1992. (unfunded).

*Effects of Testing Method on What is Measured for Different Gender, Ethnic, and Language Groups.* Funded by the College of Education Overhead Funds Allocation Committee, University of New Mexico. Joseph J. Stevens, Principal Investigator, December, 1992 to May, 1992 (\$1,958).

*Multiple-Choice vs. Free-Response Performance Discrepancies.* Jointly funded by Educational Testing Service and the College Board. Brent Bridgeman, Rick Morgan, and Joseph Stevens, Co-Investigators, July 1991 to June, 1992 (\$42,916).

*Computerized delivery of Advanced Placement Examination Components: A Practice and Feedback System for AP Computer Science.* Jointly funded by Educational Testing Service and the College Board. Randy Bennett and Joseph Stevens, Co-Directors, July, 1990 to August, 1991 (\$146,577).

*Studies of Object Perception.* Office of the Vice President for Research, University of Arizona, Lynn A. Cooper and Joseph J. Stevens, Co-Investigators, December 1, 1986 to November 30, 1987 (\$6,500).

*Promoting Learning, Understanding, and Study Skills (PLUS) in Mathematics.* Fund for the Improvement of Postsecondary Education. David Gay and Elias Toubassi, Co-Directors, Joseph Stevens, Project Evaluator, University of Arizona. September 1, 1983-September 1, 1986 (\$160,079).

*Development of Methods for the Quantification of Form.* George Seeley, Terry Daniel, and Joseph J. Stevens co-investigators, funded by the Office of the Vice President for Research, University of Arizona, January 1, 1984 to July 1, 1984 (\$8,000).

*Renorming of the Arizona Course/Instructor Evaluation Questionnaire.* Lawrence Aleamoni, Director, Joseph J. Stevens, Co-Investigator, funded by the University of Arizona Foundation, December 8, 1982 to June 30, 1982 (\$2,000).

#### **E. Research and Technical Reports:**

Zvoch, K., & Stevens, J. J. (2002). *Technical report on the “2002 APS/UNM Survey of Teachers”* (Research Report No. 2002-01). Albuquerque, NM: APS/UNM Partnership.

Stevens, J. J. (2001). *Technical report on the “2000 APS/UNM Survey of Teachers”* (Research Report No. 2001-01). Albuquerque, NM: APS/UNM Partnership.

Parkes, J., & Stevens, J. J., & McKernan, R. (2001). *Report on the “2000 APS/UNM Survey of Teachers”* (Research Report No. 2001-02). Albuquerque, NM: APS/UNM Partnership.

Parkes, J., & Stevens, J. J. (2000). *How Professional Development, Teacher Satisfaction and Plans to Remain in Teaching are Related: Some Policy Implications.* Professional Development Collaborative, Research Report No. 2000-2. Albuquerque, NM: APS/UNM Partnership.

Stevens, J. J., & Parkes, J. (2000). *Technical report on the “1999 APS/UNM Survey of Teachers”.* Albuquerque, NM: APS/UNM Partnership.

Stevens, J.J., McKernan, R. Smith, R., & Winograd, P. (1999). *Report on the results of the “1999 APS/UNM Survey of Teachers”.* Albuquerque, NM: APS/UNM Partnership.

Stevens, J.J., McKernan, R. Smith, R., & Winograd, P. (1999). *Implications of a District Teacher Survey: Implementing a Career-Long Model of Teacher Preparation and Professional Development.* APS/UNM Partnership Report No. 99-1. Albuquerque, NM: APS/UNM Partnership.

Stevens, J. J. (1999). *Educational Accountability Systems: Issues and Recommendations for New Mexico.* Research report prepared for the New Mexico State Department of Education.

Stevens, J. J. (1999). *Predicted APS school performance in relation to “Performance Counts” benchmarks.* Research report prepared for the Albuquerque Public Schools.

Stevens, J. J., McKernan, R. Smith, R., & Winograd, P. (1998). *Report on the results of the “Survey of Teacher’s Preparation and Professional Development”.* Albuquerque, NM: APS/UNM Partnership.

- Morgan, R., and Stevens, J. J. (1990). An experimental study of the effects of calculator use on Advanced Placement Calculus Examinations. *ETS Research Report Series, RR-91-5*. Educational Testing Service, Princeton, N.J.
- Powel, W.D., and Stevens, J. J. (1986). *A confirmatory factor analysis of the structure of the Arizona course/instructor evaluation questionnaire*. Research Report No. 14, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. (1985). *Decile normative comparisons of the Arizona Course/Instructor Evaluation Questionnaire (CIEQ-Form 76) subscales*. Research Memorandum No. 7, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. (1985). *Decile normative comparisons of the Arizona Course/Instructor Evaluation Questionnaire (CIEQ-Form 76) items*. Research Memorandum No. 8, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. (1985). *Description of the size and organization of the Arizona Course/Instructor Evaluation Questionnaire (CIEQ) normative base*. Informational Memorandum No. 13, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. (1985). *Decile norms for the Arizona Course/Instructor Evaluation Questionnaire subscales by department*. Research Memorandum No. 9, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. (1985). *Methods for the calculation of decile cutoff scores*. Research Memorandum No. 10, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. (1985). *Analysis of a five-item instructor short form of the Arizona Course/Instructor Evaluation Questionnaire (CIEQ)*. Research Report No. 13, Office of Instructional Research and Development, University of Arizona.
- Aleamoni, L. M. & Stevens, J. J. (1982). *A survey of the attitudes of department heads regarding instructional evaluation*. Research Report No. 6, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. & Aleamoni, L. M. (1982). *A survey of University of Arizona faculty attitudes regarding the Office of Instructional Research and Development*. Research Report No.7, Office of Instructional Research and Development, University of Arizona.
- Stevens, J. J. & Aleamoni, L. M. (1982). *A preliminary study of methods for the evaluation of televised instruction*. Research Report No. 8, Office of Instructional Research and Development, University of Arizona.

Stevens, J. J. & Aleamoni, L. M. (1983). *Does consultation and feedback to the instructor improve student ratings of teaching effectiveness?* Research Report No. 12, Office of Instructional Research and Development, University of Arizona.

#### **F. Refereed Proceedings and Other Publications**

Ginther, A., & Stevens, J. J. (1996). *Language background, ethnicity, and the internal construct validity of the Advanced Placement Spanish Language Examination.* In Proceedings of the Language Research Testing Colloquium, Long Beach, California.

Stevens, J. J., Aleamoni, L. M., & Powel, W. D. (1986). Improving university teaching through the use of instructional resources. *Proceedings of the Twelfth International Conference on Improving University Teaching.* College Park, Md.: University of Maryland, 126-135.

Stevens, J. J. & Aleamoni, L. M. (1984). A preliminary study of methods for the evaluation of televised instruction. In L.P. Grayson & J.M. Biedenbach (Eds.), *Engineering Education: Preparation for Life*, 92nd Annual ASEE Conference Proceedings. Washington, D.C.: American Society for Engineering Education, pp. 386-394.

Stevens, J. J., & Aleamoni, L. M. (1984). The effectiveness of consultation in support of student evaluation feedback: A ten year follow-up. *The Postsecondary Education Newsletter*, February, 1984.

#### **G. Articles in preparation:**

Stevens, J. J. *A multilevel, longitudinal examination of mathematics achievement differences among Hispanic, Native American, and White children.*

Stevens, J. J. *The use of composite indices in school accountability systems.*

Stevens, J. J., & Parkes, J. *A multilevel analysis of teacher dissatisfaction and retention.*

## **H. Invited Presentations:**

### **2006**

Facts, Figures, and Fairness: NCLB and Longitudinal Growth Models, a brown bag presentation to the College of Education, UO, February 8 and May 19, 2006.

### **2005**

*A researcher's view of AYP and NCLB.* Invited presentation to the College of Education's No Child Left Behind Conference, March 23, 2005, Albuquerque, NM.

*Applying Statistical Models to Issues in Educational Policy and Assessment.* Colloquium presented to the College of Education, University of Oregon, February, 2005.

*Applying Statistical Models to Issues in Educational Policy and Assessment.* Colloquium presented to the School of Education, University of California-Davis, January, 2005.

### **2004**

*Measuring Adequate Yearly Progress (No Foolin').* A presentation to the Albuquerque Teachers' Federation, April 1, 2004, Albuquerque, NM.

### **2003**

*Accountability and Assessment: Measuring School Effectiveness and Student Achievement.* A presentation to the Navajo Nation Education Committee, Window Rock, AZ.

*Accountability gone awry.* Two presentations, one to the UNM College of Education and one to the Albuquerque Teachers' Federation, Albuquerque, NM.

### **2002**

Expert Panel Member, New Mexico State School Board Accountability Ad Hoc Committee on Test Comparability, Santa Fe, NM.

*A Conversation on Testing and Assessment.* An invited presentation and discussion with the Albuquerque Teachers' Federation.

### **2001**

*Use and Interpretation of the ITBS.* Two workshops for parents presented to Albuquerque Catholic Schools.

### **2000**

*Norm-referenced and Criterion Referenced Assessment.* Invited presentation to the New Mexico State School Board.

**1999**

*Use and Interpretation of the ITBS.* Three workshops for parents presented to Albuquerque Catholic Schools.

**1998**

*A Primer on Measurement, Assessment, and Evaluation.* Workshop/symposium presented to the Southwestern Educational Consortium, Carlsbad, NM, January, 1998.

*New Mexico State Mandated Assessments.* Workshop presented to the Clovis Independent School District, February, 1998.

*Using and Interpreting the State Mandated Assessments.* Workshop presented to the Clovis Independent School District, April, 1998.

Invited participant in the annual conference of the National Commission on Teaching and America's Future, Atlanta, GA, August, 1998.

*Research on Teacher's Preparation and Professional Development.* Presentation to the NEA-NMFT Fall professional Conference, Albuquerque, NM, October, 1998.

*What Teachers Have to Say About Their Training and Professional Development.* Colloquium presented to the UNM College of Education, November, 1998.

**1997**

*A Primer on Measurement, Assessment, and Evaluation,* workshop/symposium presented to the Clovis Municipal School District.

*Using structural equation modeling to study assessment validity,* colloquium presented to the College of Education, April, 1997.

**1995**

*Educational testing: Where we've been, where we're going, what's worked, and what hasn't,* workshop/symposium presented to the Albuquerque Public School District.

*Alternative assessment: Choices, constraints, costs, and criticisms,* workshop/symposium presented to the Albuquerque Public School District.

*Comparing Confirmatory and Exploratory Factor Analysis Methods for Evaluating Internal Validity,* colloquium presented to the University of New Mexico Methodology Interest Group.

*Using Structural Equation Models to Evaluate Test Validity,* colloquium presented to the Department of Educational Psychology, University of Hawai'i at Manoa.

**1994**

*Alternative and Authentic Assessment*, invited address presented to the New Mexico Council for Learning Disabilities, Albuquerque, NM.

**1993**

*Keynote Address: Current Trends in Assessment*, presented to the Invitational Conference on Assessment, New Mexico Center for Leadership in Educational Administration Development, Albuquerque, NM.

**1992**

*Cognitive Psychology*. Colloquium presented to the College of Education, University of New Mexico.

**1990**

*Some recent analyses of Scholastic Aptitude Test and Advanced Placement Examination performance by Hispanics*. Paper presented at the annual conference of the Hispanic Association of Colleges and Universities, Miami, FL.

*Discovering the dimensionality of research data using different multivariate statistical techniques*. Colloquium presented to the Department of Educational Psychology, University of Utah.

**1988**

*Alternative statistical models applied to determine the dimensionality of research data*. Colloquium presented to the Department of Educational Psychology, Oklahoma State University.

*Cognitive processes in spatial problem solving*. Colloquium presented to the Department of Psychology, University of Nevada at Reno.

*Cognitive processes in spatial problem solving*. Colloquium presented to the Department of Educational Psychology, University of Utah.

**1987**

*Mental extrapolation of the transformation of objects in motion*. Colloquium presented to the Department of Psychology, Western Kentucky University, Bowling Green, KY.

*Use of multidimensional scaling to assess the dimensionality of rating scales*. Colloquium presented to Statistical Analysis Group, Educational Testing Service, Princeton, N.J.

**1986**

*Mental models of instruction and their impact on teaching effectiveness*. Symposium presentation, Department of Ecology and Evolutionary Biology Retreat, Tucson, AZ.

*Opening Symposium: Instructional Evaluation and Improvement.* Annual Conference on Instructional Improvement and Evaluation Techniques for Colleges and Universities, Tucson, Arizona.

**AWARDS AND HONORS:**

- 2004 Nominated for UNM Regent's Professorship
- 2002 Nominated for UNM Teaching Fellowship
- 1999 Phi Delta Kappa Research Award
- 1999 Nominated for UNM Outstanding Teacher of the Year
- 1994, 95 College of Education Award for Merit 3, Highest rating for merit accomplishments
- 1995 Named to UNM Provost's List of Excellent UNM Teachers
- 1994 College of Education Research Award

**PROFESSIONAL MEMBERSHIPS:**

- American Educational Research Association
  - AERA Educational Statisticians SIG
  - AERA Multilevel Modeling SIG
  - AERA Structural Equation Modeling SIG
- American Evaluation Association
- American Psychological Association Division 5
- National Council on Measurement in Education
- Rocky Mountain Educational Research Association

**PROFESSIONAL SERVICE:**

- 1996-present Editorial Board, *Journal of Educational Psychology*
  - Reviewer, American Educational Research Association, *American Educational Research Journal*, *Contemporary Educational Psychology*, *Educational Assessment*, *Educational Evaluation and Policy Analysis*, *Educational Measurement: Issues and Practice*, *Instructional Evaluation*, *Journal of Educational Psychology*, *Journal of Personality*, *Journal of Statistics Education*, National Council on Measurement in Education, *Psychological Methods*, *Structural Equation Modeling*
- 2006-present Oregon Department of Education Technical Advisory Committee
- 2005-present Oregon Office of Assessment and Information Services Assessment Advisory Committee

2006-07 **Chair**, Search Committee, Assistant/Associate Professor in EDLD

2006-07 **Chair**, COE Committee on Design of Quantitative Methods Curriculum

2005-06 UO COE Curriculum Review and Redesign Committee

2005-06 UO COE Awards Committee

2005-06 UO COE Institute and Research Council Committee

2005-06 UO EDLD Comprehensive Examination Redesign Committee

2005 UNM Provost's Task Force on Engagement and Attainment for Minority Students

2005 UNM Faculty Senate Teaching Enhancement Committee, Subcommittee on Instructional Evaluation

2002-03 UNM College of Education Promotion and Tenure Committee

2001-2005 New Mexico State Accountability and Assessment Technical Advisory Committee

2001-02 **Chair**, Search Committee for Educational Psychology Assistant/Associate Professor

2000-01 **Chair**, Search Committee for Educational Psychology Assistant Professor

1998-00 Member, Dean's Administrative Council

1995-00 College of Education Graduate Committee, **Chair** of committee 1998-00

1994-00 New Mexico State Evaluation Advisory Committee

1999-00 New Mexico State Accountability Task Force

1999-00 New Mexico State Alternative Assessment Task Force

1998-03 APS/UNM Partnership Programs Evaluation Committee, **Chair**, 2000-03

1999-00 Search Committee, Assistant Professor, EDPSY

1997-99 COE Research Council

1998 COE Faculty Awards Committee

- 1997 Wrote the EDPSY program self-study for the UNM Faculty Senate Graduate Program Review and led the review and revision of the program
- 1996-97 Search Committee **Chair**, Assistant Professor, EDPSY
- 1996 Program subcommittee to prepare Psychological Foundations program revision (with Vic Delclos and Christine McCormick)
- 1995-96 **Vice President**, Rocky Mountain Educational Research Association
- 1995 Program **Co-Chair**, Annual Meeting of the Rocky Mountain Educational Research Association
- 1996 Advisor, New Mexico State Comprehensive Student Assessment Project
- 1995 **Chair**, College of Education Overhead Funds Allocation Committee
- 1994 University of New Mexico Computer Site Licensing Committee
- 1994-97 College of Education Human Research Review Committee
- 1993-94 College of Education Faculty Policy Committee
- 1992-94 University of New Mexico Research Policy Committee (RPC)
- 1993-94 **Chair**, UNM RPC Subcommittee on Indirect Costs
- 1993-94 **Chair**, Psychological Foundations Restructuring Committee
- 1993 **Chair**, Psychological Foundations Search Committee
- 1992-94 College of Education Overhead Funds Allocation Committee
- 1992 College of Education Program Proposal Review Committee
- 1992 College of Education Reorganization Team
- 1991-92 College of Education Task Force on Admissions
- 1991-92 Department of Educational Foundations Committee on Overhead Fund Allocations
- 1989-91 Educational Testing Service Auditor of compliance with the Standards for Educational and Psychological Testing

- 1990-91 Mentor, Educational Testing Service Summer Internship Program
- 1983-87 Participant, Faculty-Student Dialogue program for Honors students, University of Arizona
- 1983-85 Advisor/consultant, Faculty Senate Committee on Salary Determination Procedures, Dr. Helmut Frank, Dr. J.D. Garcia, successive Chairpersons, University of Arizona
- 1984 Advisor/consultant, Faculty Senate Committee on Staff Performance Evaluation, Arthur Lindberg, Chairperson, University of Arizona
- 1983 Advisor/consultant, University Committee on the Status of Women Faculty, University of Arizona