

## Curriculum Vitae

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### Education

1978 BS, Northwest Missouri State University (Psychology/Quantitative Analysis)  
1982 MEd University of Missouri-Columbia (Vocational Education, Employment and Training Programs emphasis)  
1998 PhD, University of Missouri-Columbia (Comprehensive Practical Arts and Vocational-Technical Education)

### Employment

2004 – Present Research Analyst and Research Associate Professor, Department of Economics, University of Missouri-Columbia  
2004 – Present Research Analyst, Division of Enrollment Management, University of Missouri-Columbia  
2001 – 2004 Research Assistant Professor, Department of Educational Leadership and Policy Analysis, University of Missouri-Columbia  
1985 – 2001 Research Associate, Departments of Practical Arts and Vocational-Technical Education and Curriculum and Instruction, University of Missouri-Columbia  
1978 – 1980 Employment Counselor for Comprehensive Employment and Training Act programs, Community Services, Inc., Maryville, MO and Central Missouri Counties Community Action Agency, Columbia, MO

### Publications and Selected Research Reports (\* Refereed)

\*Ehlert, M, Koedel, C., Parsons, E., & Podgursky, M. (forthcoming). The Sensitivity of Value-Added Estimates to Specification Adjustments: Evidence from School- and Teacher-Level Models in Missouri. *Statistics and Public Policy*

Ehlert, M., Koedel, C., Parsons, E., & Podgursky, M. (forthcoming). A Research-Based Response to Federal Non-Regulatory Guidance on Growth Models. In *Value Added Modeling and Growth Modeling with Particular Application to Teacher and School Effectiveness* (ed. Robert W. Lissitz). Charlotte, NC: Information Age Publishing, Inc.

Ehlert, M., Koedel, C., Parsons, E., & Podgursky, M. Selecting growth measures for school and teacher evaluations: Should proportionality matter? January 2013. *Under Review*.

Ehlert, M., Koedel, C., Parsons, E., & Podgursky, M. Teacher preparation programs and teacher quality” Are there real differences across programs? July 2012. (Revise & Resubmit to Education, Finance, and Policy).

Ehlert, M., Koedel, C., Parsons, E. & Podgursky, M. (forthcoming). A research-based response to federal non-regulatory guidance on growth models. In *Value Added Modeling and Growth Modeling with Particular Application to Teacher and School Effectiveness* (ed. Robert W. Lissitz). Charlotte: Information Age Publishing, Inc.

Southwestern Bell Science Education Center (2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011). Evaluation of professional development projects: Missouri Department of Higher Education Improving Teacher Quality Grants -- cycle 1 through cycle 8 external evaluation reports (contributing researcher and author). All reports available at <http://www.pdeval.missouri.edu/>

Springer, M., Lewis, J., Ehlert, M. et al. (2010). District Awards for Teacher Excellence Program: Final Evaluation Report, National Center on Performance Incentives, Vanderbilt University.

<http://www.performanceincentives.org/ncpi-publications/Technical-Reports-and-Monographs/index.aspx>.

Taylor, L., Springer, M., & Ehlert, M. (2009). Teacher-designed performance-pay plans in Texas. In Springer, M., editor, Performance Incentives: Their Growing Impact on American K-12 Education, Brookings Institution, Washington D.C.

Pantal, M., Podgursky, M., Ehlert, M., & Hull, A. (2008). An Exploratory Analysis of the Content and Availability of State Administrative Data on Teacher Compensation (NCES 2008-601). National Center for Education Statistics, Institute of Education Sciences, U.S. Department of Education. Washington, DC. <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2008601>.

\*Mountford, M., Ehlert, M., Machell, J., & Cockrell, D. (2007). Traditional and personal admissions criteria: predicting candidate performance in US educational leadership programmes. International Journal of Leadership in Education, 10(2), pp 191-210.

\*Abell, S. K., Lannin, J. K., Marra, R. M., Ehlert, M. W., Cole, J. S., Lee, M. H., Park Rogers, M.A., & Wang, C.-Y. (2007). Multi-site evaluation of science and mathematics teacher professional development programs: The project profile approach. Studies in Educational Evaluation, 33, 135-158.

Podgursky, M. & Ehlert, M. (2006). The Kansas City Math and Science Teaching Workforce. Prepared for E. W. Kauffman Foundation.

Podgursky, M. & Ehlert, M. (2005). What happens if they aren't "proficient?" The predictive validity of a high school state assessment. Paper prepared for Learning from Longitudinal Data in Education conference hosted by the Urban Institute.

\*Weber, M., Ehlert, M. (2005). Relationships between students' scores on performance assessments (PA) and paper and pencil tests (PPT) in a foods preparation course. Journal of Hospitality and Tourism Education.

Podgursky, M. & Ehlert, M. (2003). A statistical profile of the KCMSD teaching workforce with a special emphasis on teacher training." Prepared for E. W. Kauffman Foundation.

\*Podgursky, M., Ehlert, M., Monroe, R., Watson, D., Wittstruck, J. (2003). Student loan defaults and enrollment persistence. Journal of Financial Aid, 32(3).

Consortium for Educational Policy Analysis (2002 and 2003). Public education evaluation report (PEER) (contributing author).

Consortium for Educational Policy Analysis (2002). Final evaluation report for the Marion M. Kauffman foundation's Successful Schools Program (leadership, organization, and contributing author).

Podgursky, M., Ehlert, M., Watson, D., Monroe, R. (2001). Teacher characteristics and student test performance. Teacher Quality and Student Achievement Gaps: Statistical Indicators of the Quantity and Academic Quality of New Missouri Public School Teachers. Research report prepared for the K-16 Committee, Jefferson City, Missouri.

Ehlert, M., Mueser, P., Troske, K. (2001). Estimates of outcomes for participants receiving different services in the Missouri workforce development system: Program year 1997. Research report for the Missouri Employment and Training Council, Jefferson City, Missouri.

Podgursky, M., Watson, D., & Ehlert M. (2000). Report on the recruitment and retention of Missouri's public school teachers, (2000). Research report for the Missouri Department of Elementary and Secondary Education, Jefferson City, Missouri.

Podgursky, M., Ehlert, M., Watson, D., Monroe, R. (2000). Student loan defaults and persistence. Paper presented to the Seventeenth Annual Student Financial Aid Research Network Conference, St. Louis, Missouri, June 9, 2000.

Podgursky, M., Watson, D., Ehlert, M., Walker, M., & Foster, W. (1999). A statistical analysis of the labor market for Missouri public school teachers: 1994-95 to 1998-99. Research report for the Missouri Department of Elementary and Secondary Education, Jefferson City, Missouri.

Ehlert, M. W. (1998). Estimates of the impact of performance-based funding on the labor market effectiveness of Missouri's area vocational-technical schools. Unpublished Dissertation: University of Missouri-Columbia.

\*Stewart, B. R., Smith C., Ehlert, M., & Mihalevich, J. R. (1988). Vocational Industrial Club goals and activities: Intraorganizational perceptions. Journal of Industrial Teacher Education, 26(1):67-78

\*Smith, C., Stewart, B. R., Mihalevich, J. R., & Ehlert, M. (1985). Member, Officer, and Advisor Perceptions of DECA Organizational Goals and Activities. Marketing Educators' Journal, 11(17), 42-51.

\*Stewart, B. R., Smith, C., Ehlert, M., & Mihalevich, J. R. (1985). Member, officer, and advisor perceptions of FFA organizational goals and activities. The Journal of the American Association of Teacher Educators in Agriculture, 26(2), 47-55.

**Selected Externally Funded Projects**

- 2013-2017 QuEST: Quality Elementary Science Teaching, co-PI with D. Hanuscin and others. National Science Foundation.
- 2012-2014 Tennessee Consortium on Research, Evaluation, and Development: Support design and analyses of surveys related to implementing Race to the Top initiatives, co-PI.
- 2009-2013 Missouri Longitudinal Data System Development and Use: Development and Analysis of Teacher Quality Database, co-PI with M. Podgursky for Department of Elementary and Secondary Education.
- 2011-2013 Kansas City Missouri Public Schools: Value added analyses to support Teacher Incentive Fund bonus determination, co-PI with Brad Curs in Department of Educational Leadership and Policy Analysis.
- 2010-2013 Kansas City Area Educational Research Consortium Pilot Research Studies, co-PI with M. Podgursky.
- 2004-2011 Access and Performance in Missouri Higher Education, co-PI with M. Podgursky for Missouri Department of Higher Education.
- 2003-2011 Statewide Evaluation of Department of Higher Education Professional Development Projects, co-PI with S. Abell and A. Waldron.
- 2006-2010 Evaluation of Texas Educator Excellence Award Grant Programs, with M. Podgursky in conjunction with the National Center for Performance Incentives at Vanderbilt University.
- 2005-2006 The Market for Math and Science Teachers in Kansas City, with M. Podgursky.
- 1999 - 2000 Missouri Department of Elementary and Secondary Education, Teacher Recruitment and Retention Model, Co-PI with M. Podgursky.
- 1985 - 2001 Missouri Department of Elementary and Secondary Education, Technical Assistance Project to Support Development of an Incentive Funding Mechanism, Implementation of the Vocational Instructional Management System and Effectiveness Index, PI and Project Director.