

## Jeffrey C. Wayman

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### Education

Ph.D., Education	2000 Areas of Emphasis Dissertation	Colorado State University, Fort Collins, CO Teacher Education, Special Needs “Educational Resilience in High School Dropouts Who Return to Gain High School Degrees”
M. S., Statistics	1991 Masters Paper	Colorado State University, Fort Collins, CO “Predicting National Football League Games Using Restricted Maximum Likelihood and the Kalman Filter”
B. S. E., Mathematics	1984	Truman State University, Kirksville, MO
B. S., Statistics	1984	Truman State University, Kirksville, MO

### Professional Experience

2013 – present	<u>President</u> , Wayman Services LLC, Austin TX.
2018	<u>Vice President of Research and Analytics</u> , E3 Alliance, Austin TX.
2006 – 2013	<u>Assistant Professor</u> , Department of Educational Administration, University of Texas, Austin TX.
2002 – 2006	<u>Associate Research Scientist</u> , Center For Social Organization of Schools, Johns Hopkins University, Baltimore, MD.
2001 – 2002	<u>Affiliate Faculty of the School of Education</u> , Colorado State University, Fort Collins, CO.
1991 – 2002	<u>Researcher and Statistician</u> , Tri-Ethnic Center for Prevention Research, Colorado State University, Fort Collins, CO.
1988 – 1991	<u>Graduate Assistant/Temporary Instructor</u> , Colorado State University, Fort Collins, CO.
1985 – 1988	<u>Junior High School Mathematics Instructor</u> , USD 512, Shawnee Mission, KS and Jordan School District, Sandy UT

## Publications

### Book Chapters

- Wayman, J. C., Cho, V., Jimerson, J. B. & Snodgrass Rangel, V. W. (2015). A look into the workings of data use in a mid-sized district. In Sutherland, I., Sanzo, K. S., & Scribner, J. P. (Eds.) *Leading small and mid-sized urban school districts*. Emerald Books.
- Wayman, J. C., Spikes, D. D., & Volonnino, M. (2012). Implementation of a data initiative in the NCLB era. In Schildkamp, K., Lai, M. K., & Earl, L. (Eds.) *Data-driven decision making in Education: Challenges and opportunities* (pp. 135-153). Springer.
- Wayman, J. C., Cho, V., & Richards, M. (2010). Student data systems and their use for educational improvement. In McGaw, B., Peterson, P., & Baker, E. (Eds.) *The International Encyclopedia of Education* (Vol. 8, pp. 14-20). London: Elsevier.
- Wayman, J. C., & Cho, V. (2008). Preparing educators to effectively use student data systems. In Kowalski, T. J., & Lasley, T. J. (Eds.), *Handbook on data-based decision-making in education* (pp. 89-104). New York: Routledge.
- Wayman, J. C., Conoly, K., Gasko, J., Stringfield, S. (2008). Supporting equity inquiry with student data systems. In Mandinach, E. B., & Honey M. (Eds.), *Linking data and learning* (pp. 171-190). New York: Teachers College Press.
- Wayman, J. C., Midgley, S., & Stringfield, S. (2006). Leadership for data-based decision-making: Collaborative data teams. In A. Danzig, K. Borman, B. Jones, & B. Wright (Eds.), *New models of professional development for learner centered leadership* (pp. 189-206). Mahwah, NJ: Erlbaum.
- Stringfield, S., Wayman, J. C., & Yakimowski, M. (2005). Scaling up data use in classrooms, schools and districts. In Dede, C., Honan, J. P. & Peters, L. C. (Eds.), *Scaling up success: Lessons learned from technology-based educational innovation* (pp. 133-152). San Francisco: Jossey-Bass.

### Articles in Refereed Publications

- Wayman, J. C., Shaw, S., & Cho, V. (2017). Longitudinal effects of teacher use of a computer data system on student achievement. *AERA Open*, 3(1), 1-18.  
<http://journals.sagepub.com/doi/full/10.1177/2332858416685534>.
- Jimerson, J. B., Cho, V., & Wayman, J. C. (2016). Student-involved data use: Teacher practices and considerations for professional learning. *Teaching and Teacher Education*, 60, 413-424.
- Cho, V. & Wayman, J. C. (2015). Assumptions, strategies, and organization: Central office implementation of computer data systems. *Journal of School Leadership*, 25(6), 1203-1234.
- Cho, V., Jimerson, J. B., & Wayman, J. C. (2015). Data system implementation: A leader navigates people problems around technology and data use. *Journal of Cases in Educational Leadership*, 18(2), 134-143.
- Jimerson, J. B., & Wayman, J. C. (2015). Professional learning for using data: Examining teacher needs and supports. *Teachers College Record*, 117(4), 1-36.
- Wayman, J. C. & Jimerson, J. B. (2014). Teacher needs for data-related professional learning. *Studies in Educational Evaluation*, 42, 25-34.

- Cho, V. & Wayman, J. C. (2014). Districts' efforts for data use and computer data systems: The role of sensemaking in system use and implementation. *Teachers College Record*, 116(2), 1-45.
- Wayman, J. C. (2013). Leading data use: Pre-service courses for principals and superintendents. *Journal of Educational Research and Policy Studies*.
- Wayman, J. C., Cho, V., Jimerson, J. B., Spikes, D. D. (2012). District-wide effects on data use in the classroom. *Education Policy Analysis Archives*, (20) 25. <http://epaa.asu.edu/ojs/article/view/979>.
- Wayman, J. C., Jimerson, J. B., & Cho, V. (2012). Organizational considerations in establishing the data-informed district. *School Effectiveness and School Improvement*, 23(2), 159-178.
- Hamilton, L., Halverson, R., Jackson, S. S., Mandinach, E., Supovitz, J. A., Wayman, J. C. (2009). *Using student achievement data to support instructional decision making*. Washington D.C.: Institute of Education Sciences and the National Center for Education Evaluation.
- Wayman, J. C. & Stringfield, S. (2006). Technology-supported involvement of entire faculties in examination of student data for instructional improvement. *American Journal of Education*, 112(4), 549-571.
- Wayman, J. C. & Stringfield, S. (2006). Data use for school improvement: School practices and research perspectives. *American Journal of Education*, 112(4), 463-468.
- Wayman, J. C. (2005). Involving teachers in data-driven decision-making: Using computer data systems to support teacher inquiry and reflection. *Journal of Education for Students Placed At Risk*, 10(3), 295-308.
- Wayman, J. C. (2005). Guest editor's introduction. *Journal of Education for Students Placed At Risk*, 10(3), 235-239.
- Swaim, R. C., & Wayman, J. C. (2004). Multi-dimensional self-esteem and alcohol use among Mexican American and White non-Latino adolescents: Concurrent and prospective effects. *American Journal of Orthopsychiatry*, 74, 559-570.
- Swaim, R. C., Wayman, J. C., & Chen, J. (2004). Alcohol use among Mexican American and White 7-12th-grade students in the southwestern United States. *Journal of Child and Adolescent Substance Abuse*, 14, 1-18.
- Swaim, R. C., Deffenbacher, J. L., & Wayman, J. C. (2004). Concurrent and prospective effects of multi-dimensional aggression and anger on adolescent alcohol use. *Aggressive Behavior*, 30(5), 356-372.
- Wayman, J. C., Foster, A. M., Mantle-Bromley, C., Wilson, C. (2003). A comparison of the professional concerns of traditionally prepared and alternatively licensed new teachers. *The High School Journal*, 86(3), 35-40.
- Wayman, J. C. (2002). The utility of educational resilience for studying degree attainment in school dropouts. *Journal of Educational Research*, 95(3), 167-178.
- Wayman, J. C. (2002). Student perceptions of teacher ethnic bias: A comparison of Mexican American and Non-Latino White dropouts and students. *The High School Journal*, 85(1), 27-37.
- Aloise-Young, P. A., Wayman, J. C., & Edwards, R. W. (2002). Prevalence of cigarette smoking among rural adolescents in the U. S. *Substance Use and Misuse*, 37 (5-7), 613-630.
- Beauvais, F., Wayman, J. C., Helm, H., Jumper-Thurman, P., & Plested, B. (2002). Inhalant abuse among American Indian, Mexican American and non-Latino White adolescents. *American Journal of Drug and Alcohol Abuse*, 28(1), 171-188.

- Wayman, J. C. (2001). Factors influencing GED and diploma attainment in high school dropouts. *Education Policy Analysis Archives*, 9(4). <http://olam.ed.asu.edu/epaa/v9n4>.
- Casas, J. M., Bimbela, A., Corral, C. V., Yanez, I., Swaim, R. C., Wayman, J. C., & Bates, S. (1998). Cigarette and smokeless tobacco use among migrant and non-migrant Mexican-American youth. *Hispanic Journal of the Behavioral Sciences*, 20(1), 102-121.
- Chavez, E. L., Deffenbacher, J. L., & Wayman, J. C. (1996). A longitudinal study of drug involvement in Mexican American and white non-Hispanic high school dropouts, academically at risk students and control students. *Free Inquiry in Creative Sociology*, 24, 185-193.
- Kelly, K., Swaim, R., & Wayman, J. C. (1996). The impact of a localized antidrug media campaign on targeted variables associated with adolescent drug use. *Journal of Public Policy and Marketing*, 15(2), 1-28.

## Reports

- Wayman, J. C. & Smith, P. B. (2016). *Professional Learning With EdWise: Findings and Future Directions*. Austin: Authors.
- Wayman, J. C., Wilkerson, S. B., Cho, V., Mandinach, E. B., Supovitz, J. A. (2016). *Guide to Using the Teacher Data Use Survey*. REL Appalachia and the Institute of Educational Sciences, U. S. Department of Education.
- Wayman, J. C. & Smith, P. B. (2015). *EdWise Workshop One: Followup and Planning*. Austin: Authors.
- Wayman, J. C. & Smith, P. B. (2015). *EdWise Workshop One: Knowledge Gathering*. Austin: Authors.
- Wayman, J. C. & Wilkerson, S. B. (2014). *Development of a survey of data use among middle school staff who provide literacy instruction in Metropolitan Nashville Public Schools: Pilot test report*. Washington DC: REL Appalachia.
- Shaw, S. M., & Wayman, J. C. (2012). *Third-year results from an efficacy study of the Acuity data system*. Austin: Authors.
- Wayman, J. C., Shaw, S. M., & Cho, V (2011). *Second-year results from an efficacy study of the Acuity data system*. Austin: Authors.
- Wayman, J. C., Cho, V., Snodgrass Rangel, V. W., & Jimerson, J. B. (2010). *Improving data use in Boyer School District: Becoming a Data-Informed District*. Austin: The University of Texas.
- Wayman, J. C., Jimerson, J. B., Cho, V., & Snodgrass Rangel, V. W. (2010). *Improving data use in Musial School District: Becoming a Data-Informed District*. Austin: The University of Texas.
- Wayman, J. C., Snodgrass Rangel, V. W., Jimerson, J. B., Cho, V., (2010). *Improving data use in Gibson School District: Becoming a Data-Informed District*. Austin: The University of Texas.
- Wayman, J. C., Cho, V., & Shaw, S. M. (2009). *First-year results from an efficacy study of the Acuity data system*. Austin: Authors.
- Wayman, J. C., Cho, V., & Shaw, S. M. (2009). *Preliminary results from an efficacy study of the Acuity data system*. Austin: Authors.
- Wayman, J. C., Cho, V., & Johnston, M. T. (2007). *The data-informed district: A district-wide evaluation of data use in the Natrona County School District*. Austin: Authors.

- Wayman, J. C., Stringfield, S., & Yakimowski, M. (2004). *Software enabling school improvement through analysis of student data* (CRESPAR Technical Report No. 67). Baltimore: Johns Hopkins University.
- Castellano, M., Stone, J. R., Stringfield, S., Farley, E. N., & Wayman, J. C. (2004) *The effect of CTE-enhanced whole-school reform on student coursetaking and performance in English and Science*. National Research Center for Career and Technical Education Technical Report. Minneapolis: University of Minnesota.
- Castellano, M., Stringfield, S., Stone, J. R., & Wayman, J. C. (2003). *Early measures of student progress in schools with CTE-enhanced whole-school reform: Math course-taking patterns and student progress to graduation*. National Research Center for Career and Technical Education. Minneapolis: University of Minnesota.
- Edwards, R. E. & Wayman, J. C. (2002). Evaluation of data from pilot CHIPS administration. Report prepared for New Mexico Department of Health.

### **Articles in Non-Refereed Publications**

- Cho, V., Allwarden, A., & Wayman, J. C. (2016). Technology is not enough. Shifting the focus to people. *Principal Leadership*.
- Wayman, J. C. (2007). Student data systems for school improvement: The state of the field. In *Educational Technology Research Symposium: Vol. 1* (pp. 156–162). Lancaster, PA: ProActive.
- Wayman, J. C., & Conoly, K (2006). Managing curriculum: Rapid implementation and sustainability of a districtwide data initiative. *ERS Spectrum* 24(2), 4-8.
- Wayman, J. C. & Stringfield, S. (2004). Information, please: User-friendly software gets student data to the practical educator. *American School Board Journal*, 191(9), 43-44.
- Castellano, M., Stringfield, S., Stone, J. R., & Wayman, J. C. (2003). Selected measures of student progress in schools with CTE-centered whole-school reform. *The LSS Review*, 2(2), 20-21.

### **Book Reviews**

- Wayman, J. C. (2004). Raising Test Scores for All Students: An Administrator's Guide to Improving Standardized Test Performance and Using Data to Make Better Educational Decisions. *Journal of Education for Students Placed at Risk*, 9(1), 71-77.

### **Surveys**

- Wayman, J. C., Cho, V., Mandinach, E. B., Supovitz, J. A., Wilkerson, S. B. (2016). *The Teacher Data Use Survey*. REL Appalachia and the Institute of Educational Sciences, U. S. Department of Education.
- Wayman, J. C., Cho, V., & Shaw, S. (2009). *The Survey of Educator Data Use*. Austin TX, Authors.
- Wayman, J. C., & Supovitz, J. A. (2007). *The Use and Perceptions of Educational Data Survey*. Austin TX, Authors.

## Refereed Conference Proceedings

- Wayman, J. C., Johnson, M., & Wilkerson, S. B. (2017, April). *We surveyed, so now what? Using the Teacher Data Use Survey to inform school improvement*. Paper presented at the the 2017 Annual Meeting of the American Educational Research Association, San Antonio TX.
- Wayman, J. C., Wilkerson, S. B., Cho, V., Mandinach, E. B. & Supovitz, J. A. (2017, April). *Helping administrators get data on how teachers use data: The Teacher Data Use Survey*. Paper presented at the the 2017 Annual Meeting of the American Educational Research Association, San Antonio TX.
- Datnow, A. L., Wayman, J. C., & Farley-Ripple, E. N. (2017, April). *Facilitating careers in data use*. Paper presented at the memorial session *His Fingerprints Are on the Work: A Commemoration of Sam Stringfield's Influence on the Field of Data Use*, at the the 2017 Annual Meeting of the American Educational Research Association, San Antonio TX.
- Jimerson, J. B., Cho, V., & Wayman, J. C. (2016, April). *Professional learning for student-involved data use*. Paper presented at the 2016 Annual Meeting of the American Educational Research Association, Washington DC.
- Wayman, J. C. & Cho, V. (2014, April). *Realistic expectations in The Data-Informed District*. Paper presented at the 2014 Annual Meeting of the American Educational Research Association, Philadelphia PA.
- Cho, V. & Wayman, J. C. (2013, November). *District leadership for computer data systems: Technical and adaptive challenges in implementation*. Paper presented at the 2013 Annual Convention of the University Council for Educational Administration, Indianapolis, IN.
- Wayman, J. C., Volonnino, M., & Spikes, D. D., (April, 2013). *Implementation of a data initiative in the NCLB era*. Paper presented at the 2013 Annual Meeting of the American Educational Research Association, San Francisco CA.
- Wayman, J. C. (2012, November). *What and why: District administrators' implementation of data-informed practice*. Paper presented at the 2012 Annual Convention of the University Council for Educational Administration, Denver CO.
- Cho, V. & Wayman, J. C. (2012, November). *Issues confronting district administrators in computer data system implementation: Mapping the terrain*. Paper presented at the 2012 Annual Convention of the University Council for Educational Administration, Denver CO.
- Shaw, S. M., Wayman, J. C., Bochna, C., & O'Reilly, J. (2012, June). *Three-year effects of a benchmark assessment system on student achievement*. Paper presented at the 2012 Council of Chief State School Officers' National Conference on Student Assessment, Minneapolis MN.
- Wayman, J. C., Spring, S. D., & Lemke, M. A., Lehr, M. D. (2012, April). *Using data to inform practice: effective principal leadership strategies*. Paper presented at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, Canada.
- Cho, V. & Wayman, J. C. (2012, April). *Districts' efforts for data use and computer systems*. Paper presented at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, Canada.
- Jimerson, J. B. & Wayman, J. C. (2012, April). *Branding educational data use through professional learning: findings from a study in three districts*. Paper presented at the 2012 Annual Meeting of the American Educational Research Association, Vancouver, Canada.

- Wayman, J. C., Lehr, M. D., Spring, S. D., & Lemke, M. A. (2011, November). *Principal leadership for effective data use*. Paper presented at the 2011 Annual Convention of the University Council for Educational Administration, Pittsburgh PA.
- Cho, V. & Wayman, J. C. (2011, November). *Educational data use and computer data systems: Sensemaking and teachers' enactment of technologies for data-informed decision making*. Paper presented at the 2011 Annual Convention of the University Council for Educational Administration, Pittsburgh PA.
- Jimerson, J. B. & Wayman, J. C. (2011, November). *Data-related professional learning: What teachers need vs. what teachers get*. Paper presented at the 2011 Annual Convention of the University Council for Educational Administration, Pittsburgh PA.
- Wayman, J. C., Jimerson, J. B., & Cho, V. (2011, April). *Organizational considerations in educational data use*. Paper presented at the 2011 Annual Meeting of the American Educational Research Association, New Orleans LA.
- Wayman, J. C., Shaw, S. M., Cho, V., & O'Reilly, J. (2011, April). *Does benchmark assessment make a difference for teaching and learning?* Paper presented at the 2011 Annual Meeting of the American Educational Research Association, New Orleans LA.
- Jimerson, J. B., & Wayman, J. C. (2011, April). *Approaches to data-related professional learning in three Texas districts*. Paper presented at the 2011 Annual Meeting of the American Educational Research Association, New Orleans LA.
- Shaw, S. M., Wayman, J. C., & Svinicki (2011, April). *The relationship between teacher efficacy and teachers' response to data-driven instructional reforms*. Paper presented at the 2011 Annual Meeting of the American Educational Research Association, New Orleans LA.
- Wayman, J. C., Jimerson, J. B., & Cho, V. (2010, October). *District policies for the effective use of student data*. Paper presented at the 2010 Annual Convention of the University Council for Educational Administration, New Orleans LA.
- Cho, V., & Wayman, J. C. (2010, October). *Technology, organizational structure, and educator data use*. Paper presented at the 2010 Annual Convention of the University Council for Educational Administration, New Orleans LA.
- Jimerson, J. B., & Wayman, J. C. (2010, October). *Helping educators "do data": Toward a planning framework for data-related professional learning*. Paper presented at the 2010 Annual Convention of the University Council for Educational Administration, New Orleans LA.
- Wayman, J. C. (2010, May). *The Data-Informed District: A preliminary framework*. Paper presented at the 2010 Annual Meeting of the American Educational Research Association, Denver CO.
- Wayman, J. C., Cho, V., Jimerson, J. B., & Snodgrass Rangel, V. W. (2010, May). *The Data-Informed District: A systemic approach to educational data use*. Paper presented at the 2010 Annual Meeting of the American Educational Research Association, Denver CO.
- Goodnow, E. J., & Wayman, J. C. (2010, May). *The intersection of the theory of Transformational Leadership and effective data use practices*. Paper presented at the 2010 Annual Meeting of the American Educational Research Association, Denver CO.
- Wayman, J. C., Shaw, S. M., & Cho, V. (2009, December). *First-year results from an efficacy study of the Acuity data system*. Paper presented at the 24<sup>th</sup> Annual Texas Assessment Conference, Austin TX.
- Wayman, J. C., Cho, V., & Shaw, S. M. (2009, November). *Can teachers use an interim assessment system to help students learn?* Paper presented at the 2009 Annual Convention of the University Council for Educational Administration, Anaheim CA.

- Goodnow, E. J., & Wayman, J. C. (2009, November). *The intersection between transformational leadership and data use in schools*. Paper presented at the 2009 Annual Convention of the University Council for Educational Administration, Anaheim CA.
- Wayman, J. C., Shaw, S. M., & Cho, V. (2009, June). *A Longitudinal Study of the Effects of a Student Assessment System*. Paper presented at the 2009 Council of Chief State School Officers' National Conference on Student Assessment, Los Angeles CA.
- Wayman, J. C., Brewer, C., & Stringfield, S. (2009, April). *Leadership for effective data use*. Paper presented at the 2009 Annual Meeting of the American Educational Research Association, San Diego CA.
- Wayman, J. C., & Moll, K. (2009, April). *Data use in Title I schools*. Paper presented at the 2009 Annual Meeting of the American Educational Research Association, San Diego CA.
- Cho, V., & Wayman, J. C. (2009, April). *Knowledge management and educational data use*. Paper presented at the 2009 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Wayman, J. C., & Moll, K. (2008, November). *Data use in Title I schools*. Paper presented at the 2008 Annual Convention of the University Council for Educational Administration, Orlando, FL.
- Wayman, J. C., Cho, V., & Johnston, M. T. (2008, November). *One year later: Effects of a district-wide evaluation of data use*. Paper presented at the 2008 Annual Convention of the University Council for Educational Administration, Orlando, FL.
- Wayman, J. C., Johnston, M. T., & Cho, V. (2008, March). *Recommendations resulting from a district-wide evaluation of data use*. Paper presented at the 2008 Annual Meeting of the American Educational Research Association, New York, NY.
- Cho, V., & Wayman, J. C. (2008, March). *Results from a district-wide evaluation of data use: Computer systems and district supports*. Paper presented at the 2008 Annual Meeting of the American Educational Research Association, New York, NY.
- Johnston, M. T., & Wayman, J. C. (2008, March). *Results from a district-wide evaluation of data use: District data trends and role-specific uses of data*. Paper presented at the 2008 Annual Meeting of the American Educational Research Association, New York, NY.
- Wayman, J. C. (2007, February). *Student data systems for school improvement: The state of the field*. Paper presented at the 2007 Annual Convention of the Texas Computer Education Association, Austin, TX.
- Wayman, J. C. (2006, November). *What school leaders should know about computer data systems for school improvement*. Paper presented at the 2006 Annual Convention of the University Council for Educational Administration, San Antonio, TX.
- Wayman, J. C., & Stringfield, S. (2006, November). *Leading faculties in the use of student data for instructional improvement*. Paper presented at the 2006 Annual Convention of the University Council for Educational Administration, San Antonio, TX.
- Smith, T. K., Wayman, J. C., & Gasko, J. (2006, November). *School practices in the effective use of student data for instructional improvement*. Paper presented at the 2006 Annual Convention of the University Council for Educational Administration, San Antonio, TX.
- Wayman, J. C., & Conoly, K. (2006, April). *Rapid implementation of a district-wide data initiative: Implementation and sustainability*. Paper presented at the 2006 Annual Meeting of the American Educational Research Association, San Francisco CA.



- Wayman, J. C., Midgley, S., & Stringfield, S. (2006, April). *Leadership for data-based decision-making: Collaborative educator teams*. Paper presented at the 2006 Annual Meeting of the American Educational Research Association, San Francisco CA.
- Wayman, J. C., & Stringfield, S. (2005, April). *Teachers using data to improve instruction: Exemplary practices in using data warehouse and reporting systems*. Paper presented at the 2005 Annual Meeting of the American Educational Research Association, Montreal, Canada.
- Wayman, J. C., Midgley, S., & Stringfield, S. (2005, April). *Collaborative teams to support data-based decision-making and instructional improvement*. Paper presented at the 2005 Annual Meeting of the American Educational Research Association, Montreal, Canada.
- Wayman, J. C. (2005, March). *Technology that facilitates school improvement through data-informed practice*. Presentation at the 10<sup>th</sup> Annual K-12 School Networking Conference of the Consortium for School Networking (CoSN), Washington DC.
- Wayman, J. C., Stringfield, S., & Millard, M. (2004, April). *Software for disaggregating and reporting student data: Moving beyond "No Child Left Behind" to support teachers*. Paper presented at the 2004 Annual Meeting of the American Educational Research Association, San Diego, CA.
- DeLuca, S., Plank, S., Estacion, A., Wayman, J. C. (2004, April). *Vocational education today: Participation rates, student composition, and early outcomes of the NLSY97*. Paper presented at the 2004 Annual Meeting of the American Educational Research Association, San Diego, CA.
- Wayman, J. C. & Stringfield, S. (2003, October). *Teacher-Friendly Options to Improve Teaching Through Student Data Analysis*. Paper presented at the 2003 Annual Meeting of the American Association for Teaching and Curriculum, Baltimore, MD.
- Castellano, M., Stringfield, S., Stone, J. R., & Wayman, J. C., (2003, June). *How to save Perkins: It's in the data*. Paper presented at the Connecting Classrooms, Communities, and Careers conference, Beaver Creek, CO.
- Wayman, J. C. (2003, April). *Multiple imputation for missing data: What is it and how can I use it?* Paper presented at the 2003 Annual Meeting of the American Educational Research Association, Chicago, IL.
- MacIver, M. A., Farley, E., & Wayman, J. C. (2003, April). *Early progress and effects from Baltimore's high school reform efforts*. Paper presented at the 2003 Annual Meeting of the American Educational Research Association, Chicago, IL.
- Stone, J. R., Castellano M., Stringfield, S., Wayman, J. C., & Schmidt, M. (2003, April). *The progress of at-risk students through high schools engaged in career-themed, whole-school reforms*. Paper presented at the 2003 Annual Meeting of the American Educational Research Association, Chicago, IL.
- Castellano M., Stringfield, S., Wayman, J. C., & Stone, J. R. (2002, December). *CTE-centered whole-school reforms and at-risk students: Early findings from an analysis of math course-taking patterns*. Paper presented at the annual meeting of the American Vocational Education Research Association, Las Vegas, NV.
- Wayman, J. C. (2002, April). *Student perceptions of teacher ethnic bias: Implications for teacher preparation and staff development*. Paper presented at the 2002 Annual Meeting of the American Educational Research Association, New Orleans, LA.
- Wayman, J. C., & Swaim, R. C. (2002, April). *Practical considerations in constructing a Multiple Imputation model – A data example*. Paper presented at the 2002 Annual Meeting of the American Educational Research Association, New Orleans, LA.

- Wayman, J. C., Mantle-Bromley, C., Foster, A. M., Wilson, C. (2002, April). *Teachers in Residence: Examining first year teacher's experiences in an alternative licensure program*. Paper presented at the 2002 Annual Meeting of the American Educational Research Association, New Orleans, LA.
- Foster, A. M., Mantle-Bromley, C., Wayman, J. C. (2001, October). *First year teachers and mentors: Connecting preparation and practice*. Paper presented at the 2001 Annual Meeting of the National Network for Educational Renewal, Denver, CO.
- Wayman, J. C. (1999, April). *Educational resilience in dropouts who gain high school credentials*. Paper presented at the Annual Convention of the Rocky Mountain Psychological Association, Ft. Collins, CO.
- Wayman, J. C., Swaim, R. C., & Bates, S. C. (1999, April). *Estimation of missing data using multiple imputation: A data example*. Paper presented at the Annual Convention of the Rocky Mountain Psychological Association, Ft. Collins, CO.
- Swaim, R. C., Wayman, J. C. (1999, April). *Typology of alcohol problems among Mexican-American and white non-Hispanic adolescents*. Paper presented at the Annual Convention of the Rocky Mountain Psychological Association, Ft. Collins, CO.
- Wayman, J. C. (1997, August). *Issues in the analysis of drug abuse correlates*. Paper presented at the Joint Statistical Meetings of the American Statistical Association, International Biometric Society, Institute of Mathematical Statistics, and Statistical Society of Canada, Anaheim, CA.
- Bates, S. C., Wayman, J. C., & Chavez, E. L. (1997, April). *Reasons for leaving high school: Influence of gender and ethnicity*. Paper presented at the Annual Convention of the Western Psychological Association, Seattle, WA.
- Bates, S. C., Wayman, J. C., & Chavez, E. L. (1997, April). *Effects of reasons for leaving school on subsequent educational attainment*. Paper presented at the Annual Convention of the Western Psychological Association. Seattle, WA.

### **Invited Addresses and Other Proceedings**

- Wayman, J. C. (2016, June). *A Framework for Considering State Data and Continuous Improvement*. Keynote address for the Missouri Education Data Summit, sponsored by the Ewing Marion Kauffman Foundation, Columbia, MO.
- Wayman, J. C. (2015, June). *Principal Leadership Strategies that Foster Teacher Data Use*. Address for the Austin Independent School District Brown Bag Series, Austin, TX.
- Wayman, J. C. (2015, May). *The Teacher Data Use Survey: An Overview*. Address for the REL Appalachia Governing Board Meeting, Nashville TN.
- Wayman, J. C. (2014, July). *Computer Data Systems: A Social Process*. Address at the OECD Centre for Educational Research and Innovation workshop "Fostering Innovation and Improvement in Education: the Contribution of Longitudinal Information Systems," New York, NY.
- Wayman, J. C. (2014, March). *Data-Informed Practice: It's Not Just About Test Scores*. Address for the REL Appalachia Governing Board Meeting, Nashville TN.
- Wayman, J. C. (2013, February). *Data-informed education*. Address at the Education Writers Association workshop *Diving Into Data*, Austin TX.

- Wayman, J. C. (2012, October). *Facilitators and Barriers to Becoming a Data-Informed School System*. Keynote address for the Pacific Data Training Conference, sponsored by the REL Pacific, Honolulu, Hawaii.
- Wayman, J. C. (2011, December). *IES Practice Guide: Using Student Achievement Data to Support Instructional Decision Making*. Address at the REL Central Bridge Event for the Wyoming Curriculum Director's Association, Casper WY.
- Wayman, J. C. (2011, October). *IES Practice Guide: Using Student Achievement Data to Support Instructional Decision Making*. Address at the North Dakota 21<sup>st</sup> Century Community Learning Center Conference (sponsored by REL Central), Bismarck ND.
- Wayman, J. C., Spikes, D. S., Cho, V., & Jimerson, J. B. (2011, February). *Implementation and use of data systems in The Data-Informed District*. Address at the Management Information Systems conference, hosted by the National Center for Education Statistics, Austin TX.
- Wayman, J. C. (2010, October). *IES Practice Guide: Using Student Achievement Data to Support Instructional Decision Making*. Address at the REL Southwest Bridge Event for the Arkansas Consortium on School Research Bridge Event, Little Rock, AR.
- Wayman, J. C. (2010, February). *IES Practice Guide: Using Student Achievement Data to Support Instructional Decision Making*. Address at the REL Southwest Bridge Event for the Texas Consortium for School Research, San Antonio, TX.
- Wayman, J. C. (2010, January). *IES Practice Guide: Using Student Achievement Data to Support Instructional Decision Making*. Address at the Texas Association of School Administrators Midwinter Conference, Austin, TX.
- Wayman, J. C. (2009, July). *The data-informed district*. Keynote address for the Pflugerville ISD Administrative Retreat, Pflugerville, TX.
- Wayman, J. C. (2009, February). *The data-informed district and data systems*. Keynote address for the National Forum on Education Statistics, sponsored by the National Center for Education Statistics of the U.S. Department of Education, Seattle WA.
- Wayman, J. C. (2008, July). *The data-informed district: What we know and need to know*. Keynote address for the Knowledge Transfer Session gathering of schools, hosted by the American Productivity and Quality Center, Houston TX.
- Wayman, J. C. (2008, June). *The data-informed district: Improving student achievement through informed decision-making*. Address given at the Texas Association of School Administrators Summer Conference on Education, Austin TX.
- Wayman, J. C. (2008, March). *The data-informed district: Helping Leander ISD efficiently acquire a student data system*. Address commissioned by the Leander Independent School District, Leander TX.
- Wayman, J. C. (2007, November). *The data-informed district*. Keynote address at The Big 5 Urban Forum Series: Data-Based Decision-Making, sponsored by the New York State Education Department, Syracuse, NY.
- Wayman, J. C. (2005, December). *What do we really know about data systems and their connection to instructional improvement?* Keynote address at "Data Systems and Instructional Improvement: There is Much More to Do," sponsored by the North Central Regional Educational Laboratory, Austin TX.
- Wayman, J. C. (2004, June). *Data warehousing and reporting systems: Software to turn data into information*. New York City Center for Charter School Excellence, New York NY.

- O'Brian, J., Wayman, J. C., & Klassen, D. (2004, June). *System communications: Moving technology from barrier to enabler*. 2004 Technology in Education Conference, Copper Mountain CO.
- Wayman, J. C., Yakimowski, M., Stringfield, S. (2004, March). *Software to facilitate teacher data use and NCLB reporting*. 2004 U. S. Department of Education Secretary's No Child Left Behind Leadership Summit *Empowering Accountability and Assessment Using Technology*, St. Louis MO.
- Wayman, J. C. (2004, March). *Opportunities to involve teachers in data-based decision-making*. Consortium for School Networking (CoSN) K-12 School Networking Conference, Washington DC.
- Stringfield, S., Wayman, J. C., & Yakimowski, M. (2003, March). *Scaling up data use in classrooms, schools, and districts*. Scaling Up Success Conference, Harvard Graduate School of Education, Boston, MA.
- Castellano M., Stringfield, S., Wayman, J. C., & Stone, J. R. (2003, February). *Selected measures of student progress in schools with CTE-centered whole-school reform: Math course-taking patterns and student progress toward graduation*. National Invitation Conference "Vocational Education and School-to-Work: The Emerging Synthesis," Philadelphia, PA.

### **Workshops, Webinars, and Seminars**

- Wayman, J. C. & Wilkerson, S. B. (2016, October – November). *The Teacher Data Use Survey Webinar Series*. Four-part webinar series conducted for REL Appalachia and the Institute of Educational Sciences, U. S. Department of Education.
- Wayman, J. C. & Smith, P. B. (2016, March). *Tell Your Story: Using EdWise to Enhance Your Work*. One-day workshop for The Ewing Marion Kauffman Foundation, Kansas City, MO.
- Wayman, J. C. & Smith, P. B. (2015, November). *Tell Your Story: Using EdWise to Enhance Your Work*. One-day workshop for The Ewing Marion Kauffman Foundation, Kansas City, MO.
- Wayman, J. C. (2015, October). *Principal Leadership for Effective Use of PGES Data*. One-day workshop for REL Appalachia and the Kentucky Department of Education, Lexington, KY.
- Wayman, J. C. (2015, June). *Principal Leadership for Promoting Teacher Data Use*. One-day workshop for REL Appalachia and Metropolitan Nashville Public Schools, Nashville, TN.
- Wayman, J. C. (2014, December). *Principal Leadership for Effective Use of Professional Growth and Effectiveness System (PGES) Data*. One-day workshop for REL Appalachia, Louisville, KY.
- Wayman, J. C. (2014, October). *Principal Leadership for Effective Data Use*. Webinar for the Middle School Matters Institute, The University of Texas at Austin, Austin TX.
- Wayman, J. C. (2014, June). *Leadership for Data-Informed Decision-Making*. Webinar for the Commission on Independent Colleges and Universities, Albany, NY.
- Wayman, J. C. (2014, April). *Implementing a Computer Data System: The Human Side*. Webinar for the REL Southwest Bridge Event at SEDL, Austin TX.
- Wayman, J. C. (2013, December). *The Data-Informed District: Research on How Educators Use Data to Inform Practice*. Webinar for the REL Southwest Bridge Event at SEDL, Austin TX.
- Wayman, J. C. (2012, September). *The Data-Informed District: Research on How Educators Work with Data to Inform Practice*. Webinar for the REL Northeast Bridge Event for the Urban School Improvement Alliance.

- Wayman, J. C. (2012, June). *The Data-Informed District*. One-day workshop for the Texas Pathways Project, Texas Higher Education Coordinating Board, Austin, TX.
- Wayman, J. C. (2011, May). *IES Practice Guide: Using Student Achievement Data to Support Instructional Decision Making*. Webinar for the REL Southeast Bridge Event for the Science Academy Network, Orlando FL.
- Wayman, J. C. (2005, July). *School Data Analysis: How to Become An Educated Consumer of Software*. Two half-day workshops for the American Federation of Teachers at the Quality Educational Standards in Teaching (QuEST) conference, Washington, DC.
- Wayman, J. C. (2005, January). *Effective Data Use in the Superintendency*. One-day workshop for the Center for School Study Councils at the University of Pennsylvania, Philadelphia, PA.
- Wayman, J. C. (2004, July). *Improving Education Practice Through Data Use*. One-day workshop for the Colorado Consortium for Data-Driven Decisions, July 1, 2004.

### **Honors and Awards**

- American Educational Research Association Division H Outstanding Publication Award (2013). *Third-year results from an efficacy study of the Acuity data system*.
- American Educational Research Association Organizational Theory SIG, Best Paper Award (2012). *Districts' efforts for data use and computer data systems: The role of sensemaking in system use and implementation*.
- American Educational Research Association Division H Outstanding Publication Award (2011). *Improving data use in NISD: Becoming a Data-Informed District*.
- University Council for Educational Administration, Jack A. Culbertson Award (2008). Given to a junior professor for significant contributions to the field of educational administration.
- American Educational Research Association Division H Outstanding Publication Award (2008). *The Data-Informed District: A district-wide evaluation of data use in the Natrona County School District*.
- American Educational Research Association Division H Outstanding Publication Award (2004). *Software enabling school improvement through the analysis of student data*.
- Outstanding Teaching Award, Colorado State University Department of Athletics (1995).

### **Editorships and Reviewing Activities**

#### **Editorships**

- Wayman, J. C. & Stringfield, S. (2006) "Research perspectives on school practices in data-based decision-making," *American Journal of Education* 112(4).
- Wayman, J. C. (2005) "Transforming data into knowledge: Applications of data-based decision-making to improve educational practice," *Journal of Education for Students Placed At Risk* 10(3).

#### **Reviews for Scholarly Journals**

- American Educational Research Journal*  
*American Journal of Education*  
*Educational Administration Quarterly*

*Educational Assessment*  
*Educational Evaluation and Policy Analysis*  
*Educational Policy*  
*Educational Research*  
*Equity and Excellence in Education*  
*Journal of Advanced Academics*  
*Journal of Educational Administration*  
*Journal for Education for Students Placed At Risk*  
*School Effectiveness and School Improvement*  
*Social Science Research*  
*Studies in Educational Evaluation*  
*Teachers College Record*  
*Teaching and Teacher Education*

### **Reviews of Conference Proposals**

American Educational Research Association, Divisions A and H Expert Reviewer Panel (2002-present).  
SXSWedu (2013 – present).  
University Council for Educational Administration (2006 – 2013).

### **Reviews of Reports**

Reviewed reports for the following organizations:

The Center for Social Organization of Schools at Johns Hopkins University  
The Center for the Study of Teaching and Policy at the University of Washington  
The Consortium for Policy Research in Education (CPRE)  
The Education Alliance at Brown University  
Education Northwest  
Public Consulting Group  
Regional Education Laboratory Appalachia/CNA  
Regional Education Laboratory Midwest/Learning Point Associates  
Regional Education Laboratory Pacific/McREL International  
The Spencer Foundation  
WestEd

### **Memberships in Professional Organizations**

American Educational Research Association (2001 – present).  
Association for Supervision and Curriculum Development (2003 – 2006).  
American Association for Teaching and Curriculum (2003 – 2004).

## Instructional Activities

### Graduate Courses Taught at The University of Texas at Austin

EDA395H	Policy Issues in Data-Based Decision-Making. Fall semesters 2007-2010, 2012
EDA383	Data-Based Decision-Making in the Superintendency. Spring semesters 2007-2013
EDAF383	Data-Based Decision-Making for Principals. Summer 2007, Spring 2011, 2012, 2013
EDA383	Advanced Quantitative Research & Analysis. Fall semesters 2006-2012; Spring semesters 2007-2010.
EDA381P	Quantitative Research Design and Analysis. Spring 2006; Summer 2006; Summer 2007

### Graduate and Undergraduate Courses Taught at Colorado State University

ED602	Action Research (graduate)	Colorado State University
PY653	Graduate Statistics in Psychology II	Colorado State University
PY652	Graduate Statistics in Psychology I	Colorado State University
ED255	Introduction to Education (undergraduate)	Colorado State University
BQ270	Introduction to Business Statistics II (undergraduate)	Colorado State University
ST204	Introduction to Business Statistics I (undergraduate)	Colorado State University
ST201	General Statistics (undergraduate)	Colorado State University

### Graduate Student Committees – Chair

- Jonas Chartock (2012, Ed.D.). *The politics of charter school authorizing: The case of New York State*. Department of Educational Administration, The University of Texas at Austin.
- Vincent Cho (2011, Ph.D.). *Educational data use and computer data systems: Policies, plans, and the enactment of practice*. Department of Educational Administration, The University of Texas at Austin.
- Elisabeth Goodnow (2011, Ph.D.). *The relationship between Transformational Leadership and data use*. Department of Educational Administration, The University of Texas at Austin.
- Jo Beth Jimerson (2011, Ph.D.). *“Doing data”: Addressing capacity for data use through professional learning*. Department of Educational Administration, The University of Texas at Austin.
- Shana M. Shaw (2010, Ph.D.). *Utilizing multilevel modeling to examine teacher sense of efficacy in relation to their use of data and student achievement*. Department of Educational Psychology, The University of Texas at Austin.
- Mary Alice Deike (2009, Ed.D.). *The principal as instructional leader within the context of effective data use*. Department of Educational Administration, The University of Texas at Austin.
- Mary Johnston (2009, Ed.D.). *Supports that facilitate teacher data use in schools*. Department of Educational Administration, The University of Texas at Austin.
- Kerry Moll (2009, Ed.D.). *Central Office data use: A focus on district and school goals*. Department of Educational Administration, The University of Texas at Austin.

## **Graduate Student Committees – Committee Member**

Michael Volonnino (2013, Ph.D.). *DATE as a human capital strategy*. Department of Educational Administration, The University of Texas at Austin, Pedro Reyes, chair.

Shin-Hyun Ka (2011, Ph.D.). *The relationship between Organizational Learning and teacher's use of data*. Department of Educational Administration, The University of Texas at Austin, Pedro Reyes, chair.

Shannon Stackhouse (2009, Ph.D.). Department of Educational Administration, The University of Texas at Austin, Pedro Reyes, chair.

John Gasko (2008, Ph.D.). *Understanding the relationship between Texas' early childhood education delivery system and first grade retention: An ecological systems analysis*. Department of Educational Administration, The University of Texas at Austin. Pedro Reyes, chair.

Sharon Eppel Beitel (2005, Ph.D.). *Applying artificial intelligence data mining tools to the challenges of program evaluation*. Department of Educational Administration, The University of Connecticut. Philip A. Streifer, chair.

## **Service Activities**

### **National Boards**

SXSWedu Advisory Board (2013 – present).

Leadership team, American Educational Research Association Data-Driven Decision Making in Education Special Interest Group (2016 – 2019).

WestEd. Technical Working Group member, *Measuring Educators' Data Literacy: The Development of Simulated Assessments of Data Teams' Skills and Knowledge* (2014 – 2016).

Pacific Regional Education Laboratory. Technical Working Group member (2012 – 2016).

Data Use Standards Work Group Advisory Council. Statewide Longitudinal Data System (SLDS), National Center for Education Statistics (2015).

Data Quality Campaign. Advisory Committee member, *Effective Data Use at the Local Level* (2013).

American Institutes for Research. Technical Working Group member, *Evaluation of Indiana's Diagnostic Assessment System* (2010-2013).

U. S. Department of Education, Institute of Educational Sciences. What Works Clearinghouse Data Driven Decision Making Practice Guide Panel (2008 – 2009).

American Productivity Quality Center project & Data Quality Campaign. Special advisor for the project *Best Practices in K-12 Data-Driven Decision-Making*. (2007 – 2008).

U. S. Department of Education. National Technology Activities Work Group (2005 – 2008).

Education Development Center. Advisor to the research project, *Creating an Evaluation Framework for Data-Driven Instructional Decision-Making* (2003 – 2006).

National Education Technology Plan. Member of expert board, *Data-Driven Decision Making, Accountability, and School Transformation*. Washington, DC (2003).

### **University, College, and Departmental Service**

University Parking and Appeals Committee (2007 – 2009). University of Texas at Austin.

Chair Search Committee (2007). Department of Educational Administration, University of Texas.

Research Requirement Review Committee (2006). Department of Educational Administration, University of Texas at Austin.



## **Other Service Work**

- Gorzycki Middle School Campus Advisory Committee (2016 – present). Advise school leadership on school-based issues.
- Personal website: <http://www.waymandatause.com> (2013 – present). Provides resources on educational data use.
- Facebook page: <http://www.facebook.com/datause> (2012 - present). Conducts informal discussion on issues pertaining to educational data use.
- Author of the website, “Improving Education Practice Through Data Use,” <http://edadmin.edb.utexas.edu/datause> (2004 - 2013). Provided resources on data-based decision-making, including reviews of software for analyzing student data.
- Forest Park Golf course Junior Golf Program (2004). Volunteer in program that provides opportunities for underprivileged youth. Baltimore, MD.
- Baltimore City Public Schools, Division of Research, Evaluation, and Assessment (2002 – 2005). Assisted and advised in creation of research and technical reports.
- Leith Walk Elementary School, Baltimore City Public Schools (2002 – 2003). Volunteer work.
- Whole Day First Grade Program Evaluation Advisory Committee, Baltimore City Public Schools (2002).
- Harris Bilingual Elementary school (2002). Advisor on Colorado Student Assessment Program (CSAP) interpretation and issues. Ft. Collins, CO.
- Multicultural education panel, Colorado State University School of Education, Professional Development School (2001 – 2002). Ft. Collins, CO.
- Blevins Junior High School (2000 – 2001). Advisor to the Student-Teacher Assistance Team, addressing at-risk student issues. Ft. Collins, CO
- Latino Academic Achievement Forum, Poudre School District (2000 – 2001). Ft. Collins, CO.