
David F. Lopez, Ph.D.

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Biography

I received my Ph.D. from Kent State University (1993) in Social Psychology. I then completed a two-year post-doctoral fellowship (1993-1995) in Lifespan Developmental Psychology and Multivariate Statistics at the Max Planck Institute for Human Development and Education in Berlin, Germany. Upon returning to the United States, I began my academic career at the University of South Florida (1995-1997) and then moved to Bard College (1997-2003) where I was promoted to Associate Professor of Psychology, and served as Acting Psychology Department Chair. My academic research focused on the cognitive and motivation processes involved in student learning, i.e., memory, attention, problem solving, goal setting, academic motivation, and task persistence. My research experience includes laboratory experiments, random assignment and control studies, large sample surveys, instrument design and validation (including the parallel development and validation of multiple language versions of assessment tools), training intervention studies, and program evaluations (formative and summative). I have an active publication record with over 80 peer-reviewed publications and conference presentations, published in leading academic journals, including *Developmental Psychology*, *Journal of Personality & Social Psychology*, *International Journal of Behavioral Development*, *Journal of Experimental Social Psychology*, and *Journal of Experimental Child Psychology*. In 2003, I left academia to pursue a career in Educational Consulting. In that time I have worked on a variety of federally-funded research projects focusing on K-12 systemic reform issues including regional technical assistance needs, curriculum reform, teacher quality, pre-K school readiness, and improving student achievement. In 2007, I founded my own statistical consulting company, iAnalytics (<http://ianalytics.org>).

Key Qualifications/Experience

- Founder and CEO, iAnalytics Statistical Consulting
- 15 Years Experience in k-12 Education Reform and Public Policy
- 15 Years Project Management Experience
- 15 Years Business Development Experience
- 15 Years Organizational Consulting Experience
- Former Center Director, Education Research Center, Optimal Solution's Group
- Former Senior Research Associate, Regional Education Laboratory-Appalachia at CNAC
- Former Associate Professor of Psychology, Bard College
- Expertise in Research Methodology, Experimental Design, and Multivariate Statistics
- Expert in NCLB accountability, curriculum design and alignment, math and reading
- Expertise in survey construction and validation
- Active Security Clearance (Secret), Department of Defense

Education

- 1993 – 1995 Post-doctoral Research Fellow, Center for Lifespan Psychology, Max Planck Institute for Human Development and Education, Berlin, Germany.
- 1991 – 1993 Ph.D., Psychology (Social), Kent State University, Kent, Ohio.
- 1989 - 1991 M.A., Psychology (Social), Kent State University, Kent, Ohio.
- 1984 – 1988 B.A. (Honors) Psychology, University of Waterloo, Waterloo, Ontario, Canada.
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Professional Experience

iAnalytics Statistical Consulting, Salisbury, MD Founder and CEO

04/07 – present

Dr. David Lopez founded iAnalytics Statistical Consulting to provide project management and data analysis expertise to a variety of for-profit and non-profit educational organizations. iAnalytics has provided services to the following organizations:

The Collaborative for Teaching and Learning – iAnalytics co-wrote a grant application titled “APT: Achieving Postsecondary Transition through Content Literacy” focused on improving the quality of secondary English instruction and improving the transition from high school to college.

Learning Point Associates – iAnalytics is conducting secondary data analysis on the Midwest Regional Educational Laboratory’s 2007-2008 Needs Assessment Survey. iAnalytics will prepare seven state reports, and co-author a series of short-term research studies (Fast Response Studies) based on the current regional educational needs and priorities.

Education Alliance at Brown University – iAnalytics is providing data analysis support and report writing for the Education Alliance’s 2004 Magnet School Assistance Program (MSAP) awards. iAnalytics will conduct all data analyses for the 2004 Tennessee reports, and will assist in the development and management of the 2007 cycle of evaluations.

Education Policy Institute – iAnalytics conducted data analysis for, and co-wrote an evaluation of Iowa’s Reading First Program.

Optimal Solutions Group, LLC, Hyattsville, MD Senior Research Associate and Center Director, Education Research Center

05/07 – 11/07

Dr. David Lopez served as a Senior Research Associate and Center Director for Optimal Solution Group’s Education Research Center (ERC). In addition to overseeing the quality control process for all ERC deliverables, Dr. Lopez served as Project Director for eight (8) contracts, including:

- *ESSI - NAEP Design, Analysis, and Special Studies Technical Support;*
- *Maryland State Department of Education - Consultant for Disproportionality in Special Education Programs and Services;*
- *Supplemental Educational Services Providers Evaluation;*
- *NCEE Moving High Performing Teachers;*
- *Impact Evaluation of Charter School Strategies;* and,
- *What Works Clearinghouse.*

The CNA Corporation, Alexandria, VA
Senior Research Analyst, Institute for Public Research

03/05 – 04/07

Dr. David Lopez was a Senior Research Analyst in CNAC's Institute for Public Research. Dr. Lopez served as Project Director or Principal Investigator on the following contracts:

- *Appalachian Regional Educational Laboratory (REL-A); and,*
- *Managing and Assessing the Defense Logistics Agency's (DLA) Workforce Competencies.*

Dr. Lopez also served as a Project Team member on the following contracts:

- *Active Learning and Time-to-Train (Department of the Navy);*
- *Department of Education Regional Advisory Committees; and,*
- *Tennessee Online Professional Development for Early Reading Evaluation.*

Xtria, LLC, Vienna, MD
Senior Research Analyst, Government Solutions

08/03 – 03/05

Dr. David Lopez was a Senior Research Analyst in Xtria's Government Solutions Division. Dr. Lopez served as Project Team Member on the following contracts:

- *Head Start Family and Child Experiences Survey (FACES 2000; 2003);*
- *Head Start Program Information Report (PIR); and,*
- *Head Start Quality Research Consortium (QRC).*

Dr. Lopez also provided ad-hoc methodological and statistical consultation to other projects; wrote narratives for Health and Human Services reports for 508 Compliance; served as a grant reviewer for Head Start Research Grants-University Partnerships; and conducted descriptive analyses on the first round of data collection for Head Start's National Reporting System.

Montgomery College, Rockville, MD
Adjunct Associate Professor of Psychology, Psychology Department

01/05 – 06/05

Dr. Lopez taught two sections of Educational Psychology, as part of Montgomery College's new Teacher Education Transfer Program.

Bard College, Annandale-on-Hudson, NY
Associate Professor of Psychology, Psychology Department

07/97 – 06/03

University of South Florida, Fort Myers FL
Assistant Professor of Psychology, Psychology Department

07/95 – 06/97

Dr. Lopez's main responsibilities were teaching, research and scholarship. Dr. Lopez:

- Taught courses in Social Psychology, Lifespan Developmental Psychology, Educational Psychology, Cross-Cultural Psychology, Research Methods, and Statistics;
- Served as Acting Psychology Department Chair;
- Served as Program Evaluator on two research grants.
 - New York State Department of Education Evaluation of the cost-effectiveness of a new arts-based curriculum in local elementary schools.
 - Institute for International Education Evaluation of the implementation of Bard College's Program in International Education.
- Dr. Lopez also served as a Curriculum Consultant for the Astor Home for Children, a residential treatment facility for children with its own public elementary school.
- Served as a Program Consultant focusing on curriculum design issues at the Manatee Education Center in Naples, FL.

Riverton Management Consulting Group, Inc., Cherry Hill, NJ
Behavioral and Statistical Consultant

08/95 – present

Dr. Lopez was part of a research development team that designed and marketed a new instrument that assessed organizational flexibility and design. His responsibilities in designing the Organizational Flexibility Profile included survey construction, sample design, validation analyses, writing publications, presenting research reports to the company, and at regional and national conferences. He also conducted analyses of patient satisfaction surveys for hospitals.

Selected Papers and Publications

- Lopez, D.F., Walker, B., & Golder, D. (2007, January). Understanding Curriculum Alignment: Assessing the Alignment Between State and National Standards. Report Submitted to the Institute for Educational Sciences, Department of Education. Regional Educational Laboratory – Appalachia at The CNA Corporation, Alexandria, VA; IPR 12185.A1
- Lopez, D.F., & Martinez, M. (2007, February). Managing and Assessing the Defense Logistics Agency's Workforce Competencies: Lessons Learned from the 2003-2004 Studies. Interim Report, The CNA Corporation, Alexandria, VA.
- Lopez, D.F., Martinez, M., & McCoy. (2006, November). Lessons Learned from the Defense Logistics Agency (DLA) Pilot Study: Integrating Competency Model Development and Course Mapping. Interim Report, The CNA Corporation, Alexandria, VA.
- Carey, N., Reese, D. L., Lopez, D.F., Shuford, R.W., & Wills, J. K. (2006, October). Time to Train in Self-Paced Courses and the Return on Investment from Course conversion. The CNA Corporation, Alexandria, VA; CRM D0015039.A1/SR1.
- Lopez, D.F., Walker, B., & Golder, D. (2006, September). Is Curriculum Alignment Related to Achievement Differences Between NAEP and State Assessments. Regional Educational Laboratory – Appalachia at The CNA Corporation, Alexandria, VA; IPR 11973.
- Cavalluzzo, L., Lopez, D.F., Ross, J., & Larson, M. (2005, December). A Study of the Effectiveness and Cost of AEL's Online Professional Development Program in Reading in Tennessee. Edvantia; Nashville, TN.
- Little, T. D., Lopez, D. F., & Wanner, B. (2001). Children's action-control behaviors (coping): A longitudinal validation of the behavioral inventory of strategic control. *Anxiety, Stress and Coping, 14*, 315-336.
- Little, T. D., Lopez, D. F., Oettingen, G., & Baltes, P. B. (2001). A comparative-longitudinal study of action-control beliefs and school performance: On the role of context. *International Journal of Behavioural Development, 25*, 237-245.
- Lopez, D. F. (2000). Social cognitive influences on self-regulated learning: The impact of action-control beliefs and academic goals on achievement-related outcomes [T. Garcia (Ed.), Special Issue: Self-Regulation: Maintaining the Motivation to Learn]. *Learning and Individual Differences, 11*, 301-319.
- Lopez, D. F., Little, T. D., Oettingen, G., & Baltes, P. B. (1998). Self-regulation and school performance: Is there an optimal level of action-control? *Journal of Experimental Child Psychology, 70*, 54-74.
- Little, T. D., & Lopez, D. F. (1997). Regularities in the development of children's causality beliefs about school performance in six socio-cultural contexts. *Developmental Psychology, 33*, 165-175.
- Lopez, D. F., & Little, T. D. (1996). Children's action-control beliefs and emotional adjustment in the social domain. *Developmental Psychology, 32*, 299-312.
- Ditto, P. H., & Lopez, D. F. (1992). Motivated skepticism: Use of differential decision criteria for preferred and nonpreferred conclusions. *Journal of Personality and Social Psychology, 63*, 568-584.

References Available Upon Request