

Raul Antonio Medellin
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Education:

- B.S. degree (with honors) in Physics and Mathematics from The University of Texas at El Paso. December 1996.
- M.A. in Educational Management and Development from New Mexico State University. July 2001.
- Certified by the state of Texas as a Mathematics teacher for grades 8-12 since February 2005.
- Ed.D. in Educational Leadership and Administration from The University of Texas at El Paso. May 2014

Employment:

Coordinator of Accountability. *Assessment, Research, Evaluation, and Accountability; Ysleta Independent School District.*

- November 2011 to present.
- Coordinated the district's compliance mandates for Performance Based Monitoring (PBM) by facilitating the development of the District improvement plan and monitoring its implementation.
- Coordinated the retrieval, analysis and reporting of accountability indicators and evaluation results in order to provide District and campus stakeholders with the information necessary to make informed decisions.
- Planned and conducted training for district and campus personnel on federal, state, and local accountability indicators.
- Designed and managed the department's SharePoint site in order to facilitate secure data access to District stakeholders.
- Assisted the director in monitoring, planning, and implementation of changes in the state and federal testing programs and accountability systems.
- Gathered, retrieved, analyzed, reported, and presented data to district stakeholders in support of program improvement efforts.
- Used advanced statistical analyses to find relationships in district data and present them in a format that encouraged data-driven decision making.
- Facilitated the implementation of House Bill 3 End of Course requirements, as well as the roll-back of the implementation as required by House Bill 5.
- Facilitated the implementation of the House Bill 5 Student and Community Engagement accountability system requirements.
- Facilitated the implementation of the Texas Accountability Intervention System for campuses required to do so by the Texas Education Agency.
- Participated as a member of the El Paso Data Council, a work group of the El Paso Collaborative for Academic Excellence, to develop community-wide indicators of academic and economic success.

Instructor. *Department of Educational Leadership and Foundations; College of Education; The University of Texas at El Paso.*

- August 2013 to May 2014.
- Taught doctoral-level courses in quantitative analysis, including evaluation of existing quantitative work, preparation of data sets, and analysis of data using SPSS.

Academic Language Programs Evaluator. *Assessment, Research, Evaluation, and Accountability; Ysleta Independent School District.*

- May 2010 to November 2011.
- Conducted program evaluations utilizing a variety of quantitative and qualitative analysis tools in order to identify best practices and areas in need of improvement.
- Gathered, retrieved, analyzed, reported, and presented data to district stakeholders in support of program improvement efforts.

- Used advanced statistical and qualitative analyses to find relationships in district data and present them in a format that encouraged data-driven decision making.
- Designed and analyzed surveys.
- Designed reports in multiple formats in order to disseminate findings to different stakeholders.
- Collaborated in the development of Program Improvement Plans.
- Assisted in the training of district personnel in the explanation and analysis of the English Language Learners Progress Measure as a state accountability indicator.

Benchmark Specialist II. *Research, Evaluation, Planning Assessment & Accountability; El Paso Independent School District.*

- November 2009 to April 2010.
- Facilitated the development and deployment of district benchmark assessments for grades 3 through 11 in Mathematics and Science.
- Developed and implemented online system for electronic reporting of campus benchmark counts.
- Developed and implemented online system for electronic submission of benchmark items.
- Administered district-wide use of TMSDS online system.
- Administered district-wide use of the AWARE component of the Eduphoria online system.
- Analyzed district-wide benchmark results.

Campus Testing Coordinator / Mathematics Teacher. *Riverside High School, Ysleta Independent School District.*

- August 2007 to November 2009.
- Assigned as Campus Testing Coordinator in August 2008.
- Taught Geometry, Algebra 2, and Mathematical Models with Applications courses.
- Applied for, received, and managed an Instructional Technology Mini-Grant to explore and implement technology into the teaching of Mathematics.
- Member of the Response to Intervention implementation committee.
- Member of the Campus Technology Leadership Cadre.
- Member of the District's Algebra 2 Teacher Leadership Cadre.
- Member of the Campus Dual Language Committee.

Math Center Coordinator / Mathematics Teacher. *Riverside High School, Ysleta Independent School District.*

- February 2005 to July 2007.
- Responsible for the administration of the Math Center's computers, software, manipulatives, and other teacher resources.
- Tutored students in Algebra, Geometry, Pre-calculus, Calculus, and Mathematical Models with Applications.
- Taught Algebra 1, Algebra 1 Trailer (at-risk students), Algebra 2, and Mathematical Models with Applications courses.
- Designed Flash applications and on line activities to encourage the use of technology for teaching Mathematical concepts to at-risk students.

Associate Professor / Full Professor of Management. *Universidad Autónoma de Ciudad Juárez.*

- June 2001 to December 2005.
- Promoted to Full Professor in June 2003.
- Coordinated the improvement of the admission, registration, and graduation processes for the MBA program.
- Acted as consultant for department heads in the implementation and follow up of the 2002-2006 Strategic Development Plan for the programs in the College of Social Sciences and Administration.
- Taught Strategic Management, Change Management, and System Dynamics Modeling courses as well as the Management Skills and Computer Skills Workshops to MBA students.
- Participated in the revision of the MBA's curricular content for the area of Higher Education Management.
- Researched the impact of policy implementation on the performance of higher education institutions in Mexico, the United States, and Canada with the Alliance for International Higher Education Policy Studies (AIHEPS), and funds from the Ford Foundation.
- Researched the impact of a client's perception of performance in the actual performance of a service provider within an institution of higher education with funds from a university improvement grant.

- Implemented and coordinated the First Mexican National Business Simulation Competition (Spring, 2004).

Associate Professor of Physics. *Universidad Autónoma de Ciudad Juárez.*

- January 1998 to June 2001.
- Taught Basic and Modern Physics as well as intermediate Optics and Thermodynamics for students of the Physics and Engineering programs.

Head of Academic Exchange and International Affairs. *Universidad Autónoma de Ciudad Juárez.*

- December 1997 to November 2000.
- Responsible for the administration of the office of academic exchange and international affairs.
- Coordinated the creation and implementation of policies and procedures for the admission of international students.
- Created and implemented programs for recruiting international students.
- Advised international students on immigration requirements, university procedures, and financial aid opportunities.
- Coordinated the university's financial aid processing for students from the United States.
- Coordinated the certification of the university before the U.S. Department of Education.
- Coordinated the improvement of admission and financial aid processes, including a migration of financial aid processing to electronic form, reducing waiting times by 80%.
- Developed and implemented programs for institutional globalization, as well as for dissemination and advising on procedures for admission to foreign graduate programs, grant and scholarship applications, and other exchange opportunities.
- Designed, translated, and edited the office web page and the university's informative literature.
- Applied for, received, and managed, a Mexican federal grant to build an international information center for faculty and students interested in an international experience.

Publications, websites, and software developed:

- C. O. Dorso, J. A. Lopez, & R. Medellin (2000) Criticality in Nucleation. *Heavy Ion Physics* Vol. 11
- R. Medellin, S. García, L.M. Terrazas, & J. Valencia (2004) The impact of the client's perception in the performance of a service provider: Analysis of the performance and the perception of performance of a purchasing department using Qualitative System Dynamics. *Avances* No. 54
- "Math Jeopardy, Algebra 1." Flash application that generates random questions involving the distributive property, solving for x, slope, linear functions, and systems of equations.
- "Math Jeopardy, TAKS Edition." Flash application that displays random questions taken from the released versions of the Texas Assessment of Knowledge and Skills.
- "2 txt or 2 to txt..." Web activity for exploring systems of equations involving piece-wise functions.
- "CSI Riverside." Web activity for exploring the use of linear regressions in the field of forensic anthropology.
- R. Medellin, H. Giron (2010) *The English Language Learner Progress Measure Explained*. Texas Association of Bilingual Administrators Pre-Conference Bilingual Directors / Administrators' Institute. El Paso, Texas.

Skills:

- Fluent in English, Spanish, and Portuguese, with basic knowledge of French.
- Experienced user of Unix, Macintosh, and Windows operating systems.
- Experienced user of statistical analysis software (SPSS, R, Matlab, and Mathematica), qualitative analysis software (QSR NVivo 8), database query language (SQL, Microsoft Reporting Services), office software (Microsoft Office, Microsoft SharePoint, Open Office, NeoOffice, and Adobe Acrobat), project management software (Microsoft Project), simulation software (Simul8, PowerSim, and Molecular Dynamics), digital imaging software (Adobe Fireworks, Macromedia Free Hand, Corel Draw, Google SketchUp, and Adobe Photoshop), web-design software (Adobe Dreamweaver, Adobe Flash, and Microsoft Front Page), and instructional software (SMART Board Notebook, GeoGebra, Geometer's Sketchpad, TI-Nspire emulator, connect-to-class, edusoft, eduphoria, and TMSDS).