

MARCO AURELIO HERNANDEZ VEGA

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EDUCATION

UC Davis, Davis Ca. PhD. In Economics, admitted on February 2006

Duke University, Durham, NC. M.A. in Economics, January 2006

Universidad del Valle, Mexico. BA in Business. Grade 9.55 on 10.0 scale

ACADEMIC AWARDS

- **CONACYT scholarship.** September 2006 – August 2009
- **FULBRIGHT scholarship.** August 2004 – January 2006
- **Ministry of Education complementary scholarship.** August 2004 – January 2006

EXPERIENCE

Associate in Research. Duke University Institute of Public Policy January 2006 to July 2006

- Estimate the effects of teachers' social characteristics on students test scores in North Carolina for third to fifth grades from 1995 to 2004.
- Predict the impact of teachers' absences in the scores of Black and Hispanic students in NC

Director of Planning at the Minister of Health in Mexico August 2003 to June 2004

- Determined the allocation of federal resources to Mexican states based on their health risk index
- Analyzed diseases population statistics to design a health risk index per state
- Performed the burden of disease indicator for Mexico using the methodology proposed in the World Health Report 2002 narrowed to the four principal causes of disease in the country
- Coordinated communication between the Ministry of health and Mexican states to solve health emergencies

Member of the Economic Advisors Group for the Minister of Health June 2001 to August 2003

- Analyzed economic variables of various industries in order to estimate the impact of the increase in the cost of import/export permits
- Performed cost-benefit analysis to creation and modification of Mexican health regulations and its impacts on consumers and the private sector
- Economic analysis of investment projects such as computing and networking equipment and building acquisition

Budget Analyst, Planning and Finance Minister, Veracruz Mexico March 1999 to May 2001

- Determined annual budget forecasts
- Conducted budget management
- Performed accounting and auditing functions

SKILLS

Computer: STATA, E-views, Mathematica, Statgraphics, LaTeX, and MatLab