The Department of Engineering Management, Information, and Systems

Would like to announce….

Tale Of Two States: Using Least-Squares k-Variable Adjudication Methodology (KVAM) To Interpret Economic Growth In Texas And California

Presented by

Ted Munger

Doctor of Engineering In Engineering Management Praxis Defense
Advisor: Dr. Richard Barr

Monday, March 28, 2016 at 1 p.m.
Cullum Conference Room, 347 Caruth

Abstract: **Recent news reports assert that Texas is growing economically but California is not. Based on their Gross State Product, both states are growing but Texas is growing faster on a per-capita basis. To understand what drives economic growth for each state, over 50 years of annual state-level data is collected on 486 growth-related variables to build a regression model for each state and compare the dominant factors. This research uses a new variable-reduction approach, the *k*-variable Adjudication Methodology (*k*VAM), a mixed-integer, nonlinear programming technique that optimizes classic statistical goodness-of-fit measures to identify dominant economic factors. The results provide policymakers new insights into the underpinnings of economic growth (both short-term and long-term) within each state and at the U. S. national level.**

Bio: **Ted Munger is a doctoral candidate in Engineering Management with the Department of Engineering Management at Southern Methodist University's Lyle School of Engineering in Dallas, TX. He achieved his Master of Science in Engineering Management at SMU. He has a Bachelor of Science in Mathematics from Iowa State University, a Master of Public Administration (MPA) from University of Georgia, and a Master of Arts in Management Information Systems (MIS) from the University of Iowa. He also holds a post-baccalaureate certificate in Enterprise Management from SMU. He is a current member of the SMU chapter of the Alpha Chi National Honor Society. Ted is based in the Dallas area and currently works for Hewlett-Packard Enterprise as a Master Consultant for the Applications and Portfolio Engineering department.**

Everyone invited and welcome!