September 21, 2012
ISOM Room 106
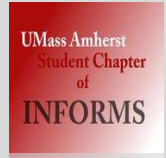2:00 PM
Refreshments at 1:30 PM

2012 UMass INFORMS "Meet an Isenberg PhD Alum event" with Dr. Davit Khachatryan

"SHOW ME THE DATA:

MY EXPERIENCE AS A STATISTICAL CONSULTANT"

Biography:

Dr. Davit Khachatryan is a Senior Associate at the National Economics and Statistics practice of PricewaterhouseCoopers (PwC). Davit joined the firm in 2010 as an Associate. Prior to that he was a PhD student at the Isenberg School of Management, where he earned his doctoral degree in 2010 with a concentration in Management Science. Davit's doctoral dissertation focused on the applications of time series methods in business and industry, and produced publications in journals such as the *Journal of the Royal Statistical Society* and *Quality and Reliability Engineering International*. Davit also holds Master's degree in Statistics, which he received in 2006 from the University of Massachusetts Amherst. During the last two years with PwC Davit has been consulting in the area of predictive modeling and data analytics, helping clients from financial, healthcare and government sectors with building automatic predictive models and enhancing business intelligence solutions.

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Abstract:

Today data are collected in wide variety of shapes and forms, including image data from surveillance cameras, click-stream and sentiment data from social media websites, financial transaction data from ATMs, in addition to the traditional 'designed' data from sources such as surveys and censuses. In vast majority of cases data collection is round the clock and fully automated. In addition, the frequency of data collection can reach milliseconds and capacities of data warehouses are beginning to be measured in petabytes. The challenge emerging from the repository clouds calls for dexterity in extracting the most penetrating and pertinent information from this tsunami of data. In particular, business enterprises are in need of robust, reusable and fully automated analytic solutions able to efficiently sift through avalanche of data and produce answers that will leave their mark on the bottom line. In this talk I will present my experiences in statistical consulting arena, stressing on what I have witnessed and learned when practicing the profession during the last two years. In addition, I will discuss certain challenges and paradigm shifts that I envision to be facing statistical consultants in the future.