**Project Objective:** To enhance AU’s capabilities in applied data science, through increased focus on research and education in big data, analytics and applied data science across various disciplines.

### MS in Analytics

#### Learning Objectives
The main learning objective of this program is to give students the knowledge and skills to: (1) formulate an organizational problem; (2) identify the data necessary to analyze the problem; (3) select the most appropriate methods and tools to conduct the analysis; and (4) make data driven decisions based on the results of this analysis. The program was designed to provide a framework in which students are not only trained on quantitative and analytical skills, but also on a functional domain of specialization to enhance the students’ ability to better understand how to conduct analysis in that domain.

#### Progress Highlights
- **Curriculum highlights:** BoT approved new cross-school MS in Analytics to launch in the Fall of 2015 led by Kogod; Functional specializations developed by Kogod and CAS; SPExS developing a program in Health Service Administration and Data Analytics
- **Faculty recruitment and searches:** Michael Baron, Carroll Professor of Mathematics and Statistics; Stefan Kramer, Data Librarian; faculty searches underway at Kogod, SOC and Computer Science; Prof. Frank Armour appointed Director of MS in Analytics
- **Other initiatives:** Proposal developed by Kogod for a Center of Applied Data Science
- **Research highlights:** Ed Wasil (Kogod) using analytics to test accuracy of cancer diagnostics; Derrick Cogburn (SIS) conducting research using big text data of transcriptions of political speeches