Center for Business Analytics

Promoting the use of analytics to improve business, government, and organizational performance.

Professional Development Programs

Custom Designed On-Site Analytics Training
**Data and Analytics Professional Development**

The Center offers an extensive selection of analytics and data management courses designed to provide the working professional with the skills to manage data and develop and communicate insights that improve business performance. We can also design classes specific to your organizational needs. All courses are taught by leading academics and industry experts.

**Introduction to Analytics in Excel:** Learn to use intermediate-to-advanced Excel tools for analytics. Topics covered include data visualization beyond the basic charting tools and descriptive analytics methods for analyzing data and generating meaningful insights.

**An Introduction to R for Data Analysis:** Learn programming in R for data analysis, reading and writing data, accessing R packages and writing functions. Some familiarity with programming concepts (IF Statements, looping etc.) and a basic knowledge of statistics are prerequisites for this course.

**Data Visualization:** Acquire the data visualization skills and best practices to analyze complex data sets and generate insights. Learn how to present analytical output as meaningful information using leading software packages including Excel and Tableau.

**Data Management:** Gain an understanding of advanced skills, syntax, and techniques to perform analytics and data mining on datasets. Learn the steps to get data into a well-designed database and how to use Structure Query Language (SQL) to interact with data.

**Introduction to Data Mining:** Examine methods to meet the challenges of developing data mining skills and build predictive data models in the real world. Using hands-on examples, acquire the techniques experienced practitioners apply when developing their models.

**Advanced Data Mining:** Develop skills beyond the core data mining competencies for those with intermediate data mining experience. Build on the concepts and tools from the Introduction to Data Mining course.

**From Mess to Model:** Discover how to take complex problems and transform them into structured models where advanced analytics methods can be applied. Prescriptive analytics methods such as optimization and Monte Carlo simulation are discussed.

**Prescriptive Analytics: Building and Solving Optimization Problems:** Learn how to go from a problem statement to an optimization model and how to solve the model using available software. Applications in finance, operations, supply chain, marketing and more will be covered.

Click here for course details.
Custom On-Site Programs for Analytics Organizations

If your organization is facing specific analytics and data challenges, we can design custom on-site training programs tailored to your specific needs, delivered at your location by leading analytics and data subject-matter experts. There is no limit to the number of attendees and programs can be broadcast to remote locations. Optionally, we can prepare the course content using your company data to help solve specific business problems.

Interested in learning more about on-site analytics training?

For specifics and pricing contact the Center Director, Mike Fry, at 513-556-0404 or email at mike.fry@uc.edu.

What Attendees Say About Our Courses

“Exceeded my expectations/Extremely beneficial course. Would recommend to other colleagues.”

“Knowledge of instructors was off the charts. Instructors did a nice job of addressing all levels of skill sets.”

“Great course, very applicable and loved that it was so hands-on.”

“Provided ideas on opportunities where I may be able to apply analytics to current decision/reporting model.”

“I like the way things were explained for a beginner. Reference materials and instructor’s invitation to email him as needed will really help.”

“I love that the instructor did a great job of teaching to the individual abilities of the students.”

“Great knowledge/experience on topic. Excellent presentation skills/communication. Tons of examples and interesting topics. Well done and extremely interesting.”
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Contact us for more information on membership in the Center, professional development programs or custom on-site analytics training.

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