Need help in Analytics?

Data analytics is a needed skill in today's businesses.

Excel Fundamentals / Analytics Class
(8 hours = 8 CEH)

Schedule: Friday February 23, Price $695

Seminar Description:
During this 8-hour class, we will discuss the application of Excel tools and functions for supply chain analysis. Class will run from 8:00 to noon and 1:00 to 5:00 with an hour break for lunch. Specific tools and functions that will be discussed include:

- Logical functions such as IF(S), SWITCH, COUNTIF(S), SUMIF(S), AVERAGEIF(S), etc.
- Lookup functions such as VLOOKUP, HLOOKUP, INDEX, MATCH, etc.
- Date/time functions such as WEEKDAY, MONTH, YEARFRAC, NOW, TODAY, etc.
- Troubleshooting formulas using precedence/dependence
- Applying filters and conditional formatting
- Conducting what-if analysis using Goal Seek, Data Tables, and Scenario Manager
- Basic charts such as histograms, line plots, scatterplots, and (clustered) column charts
- Advanced charts such as dual-axis/combo charts, funnel charts, waterfall charts, and maps
- Summarizing and combining data using PivotTables and displaying the results with PivotCharts
- Recording simple macros
- Monte Carlo Simulation for modeling risk and uncertainty

Skills learned can be applied towards developing purchasing scorecards and metrics.

Each attendee should have a computer with Excel accessible for the entire session. Tools and functions will be discussed and demonstrated, and then attendees will have an opportunity to practice using these tools on different data sets with instructor support and feedback.

In Collaboration with ISM-Pittsburgh and Duquesne University

Class to be held in person at Duquesne University's Rockwell Hall. Parking available at The Garage at Manor Complex, 564 Forbes Avenue—just a half block from Duquesne's Rockwell Hall. 10% discount to ISM members, Duquesne Alumni and companies sending five or more employees.
Register at https://pittsburgh.ismworld.org/

NOTE: Minimum of five registrants required or class may be cancelled

OUR INSTRUCTOR: Dr. Matt Drake

Matt Drake is an Associate Professor of Supply Chain Management in the Palumbo-Donahue School of Business at Duquesne University. Professor Drake primarily teaches quantitatively-focused courses in the Supply Chain Management program, including graduate and undergraduate-level courses in Forecasting, Production Planning, and Inventory Management as well as Global Transportation and Logistics. Professor Drake also teaches the Foundations of Business Analytics course for the undergraduate co-major in Business Analytics as well as Prescriptive Analytics and Decision Making in the M.S. in Analytics and Information Management program. He was awarded the Duquesne School of Business Outstanding Teaching Award in 2021.

Dr. Drake graduated from Duquesne in 2002 with a B.S. in Business Administration with concentrations in Supply Chain Management and Finance. After graduation from Duquesne, Professor Drake entered the doctoral program in the Stewart School of Industrial and Systems Engineering at Georgia Tech. He earned a M.S. in Industrial Engineering in 2005 and a Ph.D. in Industrial Engineering with a concentration in Economic Decision Analysis in 2006. He joined the faculty at Duquesne immediately afterward.

DUQUESNE UNIVERSITY
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