

# DataMaster Part 1

Decision support for today, insight for tomorrow



## Course At-A-Glance

**Appropriate For:** Anyone interested in converting data into actionable decisions is a good candidate for the DataMaster program

**Length:** 5 days of coursework

**Cost:** \$3,750, €3,450, £2,950

**CEUs:** 3.2

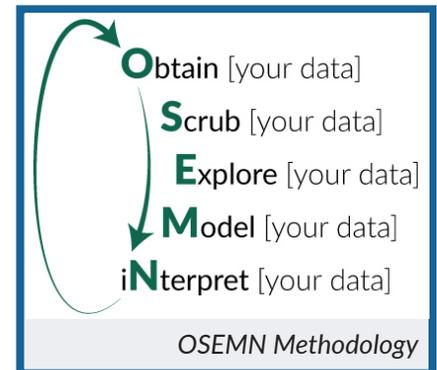
## About DataMaster Part 1

Data is the raw material of our time, and it's vastly underutilized. Through DataMaster, you learn how to derive insights from your data to deliver value in ways you've never thought of before.

There are many who know how to access data, even when buried deep in a data warehouse. What's proving a significant challenge is teasing the value out of that data—and it's a familiar story: big IT investment followed by "What now?"

Part 1 of the DataMaster program is a one-week offering designed to rapidly develop the analysts you need. Through the application of an analytic methodology, DataMasters learn how to use familiar tools such as Microsoft Excel (and its powerful Solver and Analysis ToolPak add-ins) to obtain, scrub, explore, model and interpret your data. The DataMaster program will also add new tools to your toolbox, such as Microsoft Power BI and RapAnalyst.

With this toolset and training, DataMasters gain the skills required to analyze data, build models and create powerful visualizations that lead to valuable insight and better business decisions.



*"This class put me outside of my comfort zone, but I'm so glad I did it! The course material built upon my Black Belt skills, and gave me insight into tools that I didn't know existed."*

–Angie Selle - Vice President, Process Improvement Consultant Sr, PNC Financial Services Group

## Learning Objectives

After completing the DataMaster program, you will be able to:

- Obtain and process disparate sources of data into a format suitable for your analysis work.
- Understand and apply techniques to clean data for effective modeling.
- Analyze, explore and model your data.
- Recognize where key data might be missing and use creative means to find or generate the data that is needed.
- Uncover valuable insight from data using statistical methods and exploratory analysis.
- Communicate data-based findings in visually compelling ways.

DataMasters work on projects that:

- Draw on data available from varied internal, external and cross-domain sources.
- Address difficult problems that have not been solved with conventional tools and wisdom.
- Take complex information and make it easy to understand and communicate.
- May not have a clearly defined outcome by approaching it with an exploration oriented mindset.

## Agenda

Analytics Introduction  
The Business Analytics Hypothesis  
Analytical Methodologies  
Statistics Review  
Case Study Introduction  
Obtain and Scrub Your Data  
Exploratory Data Analysis

Data Visualization  
Linear Regression  
Time Series Forecasting  
Dashboard Creation  
Clustering  
[Big Data!](#)  
Case Study Work

DataMaster follows a guided introduction process along with the completion of an analytics case study.

## Certification Requirements

To achieve certification, students must complete coursework for both DataMaster Part 1 and [Part 2](#) and pass all exams.

To register for this course, visit [leanmethods.com/datamaster-1](https://leanmethods.com/datamaster-1)  
or call +1 (303) 827-0010.