



Data Analysis Boot Camp

Training Calendar

Date	Training Time	Location
29 July 2019	2 Days	Bilginç IT Academy
25 November 2019	2 Days	Bilginç IT Academy

Training Details

Training Time	:	2 Days
Capacity	:	12
Prerequisites	:	There are no prerequisites for this course.

About Training

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In this fast-paced classroom experience, you will learn how to use your data to deal with critical factors: risk, performance, quality, forecasting, estimating, simulation, business process improvement, and much more. You will learn how to perform practical analytics, modeling, and interpretation the moment you return to work. Through a combination of demonstrations and hands-on exercises, you will get practice with the sort of skills and techniques which are typically the domain of expensive consultants.

You will quickly master powerful skills and the technologies to deploy them without reliance on proprietary technology. (We teach data skills you can deploy using Excel, R, or Python). Working through these scenarios, you will learn the value of analytics in supporting decision-making processes and the management and controls of business processes. In addition to providing real-world data analysis skills and concepts, you will apply the knowledge you acquire in a number of real business scenarios to learn practical applications.

What You'll Learn

- Identify opportunities, manage change, and develop deep visibility into your organization
- Terminology and jargon of analytics, business intelligence, and statistics
- Applications for applying data analysis capability
- Visualize both data and the results of your analysis for straightforward graphical presentation to stakeholders
- Estimate more accurately while accounting for variance, error, and confidence intervals
- Create plots and charts to reveal hidden trends and patterns in your data
- Differentiate between "signal" and "noise" in your data to smooth what's extraneous and reveal what's important
- Different distribution models and how each applies in the real world
- Practical statistics and how they relate to risk, probability, results, and action
- Develop a robust, practical understanding of probability theory - and how to leverage it
- Form and test hypotheses - use multiple methods to define and interpret useful predictions
- Learn about statistical inference and drawing conclusions about the population
- Leave class with a substantial yet practical toolbox of modeling skills
- Use computation to mine data, run simulations, find clusters and discover important attributes
- Apply your data to practical uses: Reporting, Dashboards, Metrics, Quality, Financial Modeling and more
- Get hands-on with predictive analytics - leave class with the vocabulary and algorithms you need
- Forecast future results, find opportunities for process improvement, and analyze past performance
- Introduction to the INFORMS CAP (Certified Analytics Professional) certification
- Investigate a number of real-world examples that bring to life the new tools you've learned
- Over three days, get access to a real-world data expert who relates skills and methods to your own scenario

Who Should Attend

- Business analyst, business systems analyst, CBAP, CCBA
- Systems, operations research, marketing, and other analysts
- Project manager, program manager, team leader, PMP, CAPM
- Data modelers and administrators, DBAs
- IT manager, director, VP
- Finance manager, director, VP
- Operations supervisor, manager, director, VP
- Risk managers, operations risk professionals
- Process improvement, audit, internal consultants and staff
- Executives exploring cost reduction and process improvement options
- Job seekers and those who want to show dedication to process improvement
- Senior staff who make or recommend decisions to executives

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