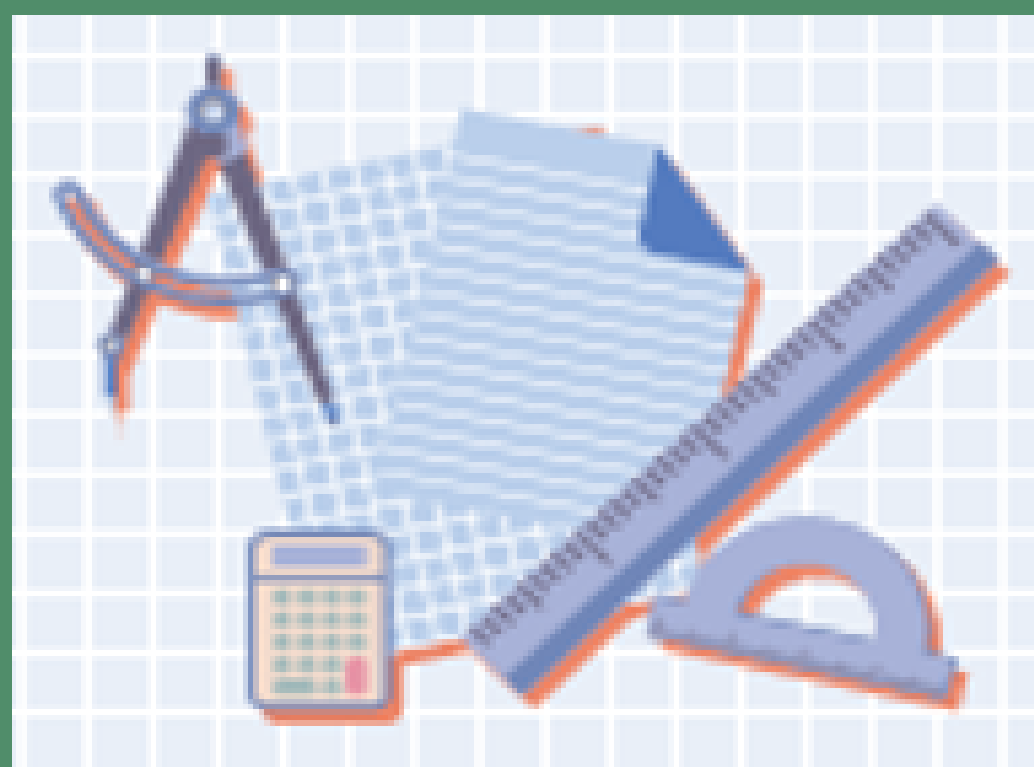




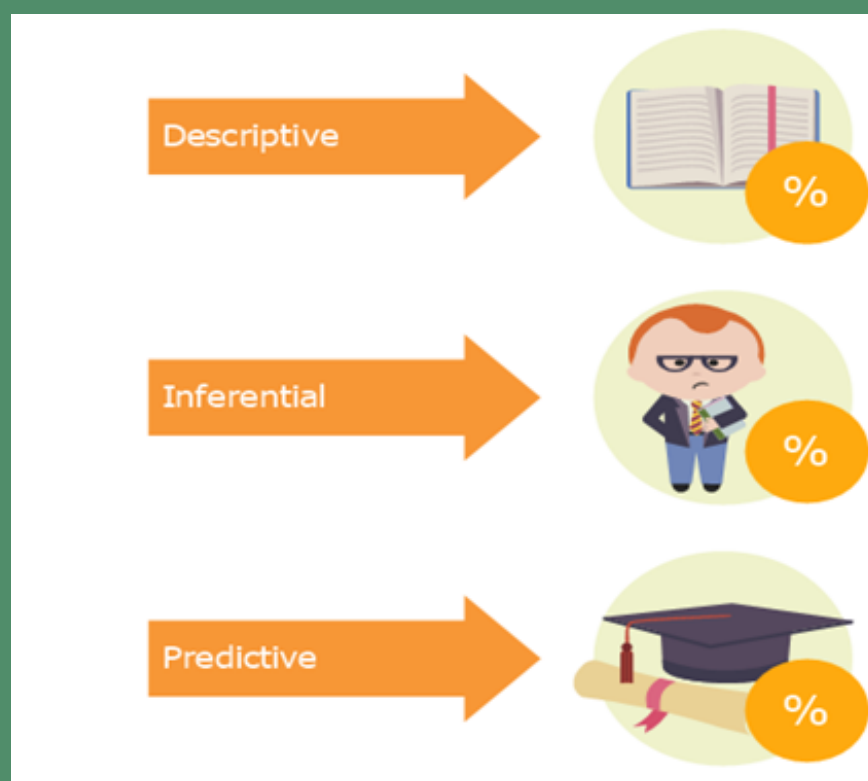
Call : 00 353 46 9575706 for more information

Ireland

DATA ANALYTICS COURSES



ONE DAY INTRO



2 DAY FOUNDATION



4 DAY ADVANCED

Self Paced e-Learning

This e-Learning course is recommended for all those in an organisation who want to get a good understanding of the various Data Analysis that can be done, the methodology, the main tools and tests and when to use them and when not.

Topics covered@

- Data Types
- Data Quality
- Distributions
- Measurement System Analysis
- Some important Graphical tools
- Various data analytics methods and tools
- Some exercises in Excel including basic prediction.
- Short demos of more complicated methods of data analysis

Objectives of the course

At the end of this On line course participants will know what the data analytics methodology is. At the end of the course participants will have a fundamental understanding of how to use some of the basic tools in Excel. Even though we will practice as much as possible, it is advised that the participants keep practicing.

The knowledge acquired will provide an understanding of how Data Analysis can be integrated into the company's reporting and decision structure.

This course aims to provide basic knowledge to analyse data in the best way without making any of the common errors.

2 day Classroom Course

Day 1:

- Business Understanding
- Data Understanding
- Data Preparation
- Modeling
- Evaluation
- Deployment
- Introduction to Excel and Minitab for Data Analytics
- Distributions
- Types of Data, Attribute, Continuous, Univariate...
- Normal Distribution
- Binomial Distribution
- Poisson Distribution

Day 2:

- Hypothesis testing Part I
- Graphical tools (Scatter plot, Pareto, Histogram etc)
- Visual analytics using Power BI

Manual and USB data disk provided

4 day Classroom Course

The first 2 days cover the recap of the foundation course.

Day 3:

- Measurement System Analysis
- Hypothesis testing Part II
- Graphical Tools Part II
- Statistical Process Control
- Visual Analytics using Power BI
- Predictive Analytics (using a Modular)
 - Process Simulation and What-if
 - Causal Mapping
 - System Dynamics Basics
 - Scenario Simulation

Day 4:

- Regression
- Capability Analysis
- Monte Carlo Simulation
- Common Errors

Manual and USB data disk provided

Why is Data Analytics important for your BUSINESS?

Organisations handle a lot of data every day and sometimes the quantity of data can be overwhelming. Data Analytics is a method to make sense of your data and extract valuable intelligence to guide the business in the all-important decision making. You cannot change or manage successfully what you don't measure.

'Without data you are just another person with an opinion' – Dr. Deming

Description: This course aims to provide enough basic knowledge to analyse data in the best way without making any of the common errors.

Each section will first be explained theoretically, followed by practical exercises using example data (or data that is provided by the customer). We will use Minitab data analysis software to practice the various analysis. Each participant will be provided with a free 30-day trial version of Minitab. Some of the topics will also be illustrated using MS EXCEL.

Audience: This course is recommended for all those in an organisation who want to get a good understanding of Data