COURSE SYLLABUS

Excel Statistics

Use Excel to explore statistical patterns, probability, and forecasting. This course is available for private and corporate training.

Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/courses/excel-statistics



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Course Outline

Basic Statistics

Statistical Functions

These foundational statistical functions can be used to perform basic calculations on ranges of values

Ranking Functions

Rank values to establish percentages and percentiles

Data Analysis ToolPak

Quickly and easily perform statistical calculations with the Analysis ToolPak add-in

Statistical Analysis

Descriptive Statistics

Compare two sets of data by 16 different statistical measures

T Tests

Calculates whether the means of two groups are statistically different from each other

Straight Line Analysis

Graphically estimate the relationship between two variables

Simple Linear Regression

Estimate the relationship between two variables

Multiple Regression

Estimate the relationship between more than two variables

Charts

Histogram

Divide values into intervals and represent the frequency of data values in each interval with a bar

Waterfall Chart

Visually display how an initial value is affected by a series of positive and negative values

Probability and Forecast Modelling

POISSON Distribution

Calculate the probability of a given number of events occurring in a fixed interval of time or space

Solver

Calculate optimal solutions to multi-variable decision problems

Monte Carlo Simulation

Better understand the impact of risk and uncertainty in forecasting models

Resampling

Make statistical inferences from data by sampling with replacement