COURSE GLOSSARY

Trend Analysis in Power BI

Time Series: A sequence of data points recorded at successive equally spaced intervals of time, used to identify trends, cycles, and seasonal patterns.

Run Chart: A line chart that displays data values over time, used to visualize patterns, shifts, and trends in a time series.

Cyclical Pattern: A recurring rise-and-fall movement in a time series with no fixed period, typically spanning more than one year.

Seasonality: A predictable, recurring pattern in a time series that repeats at fixed intervals of less than one year, often driven by calendar or weather effects.

Rolling Average: A smoothing calculation that takes the mean of a defined window of consecutive data points, reducing short-term noise to reveal longer-term trends.

Anomaly: A data point in a time series that deviates significantly from the expected range, potentially indicating an error, event, or structural change.

Period-over-Period Change: A metric that compares a value in the current time period to the corresponding value in a prior period, such as month-over-month or year-over-year.

Date Grain: The level of time aggregation at which data is analyzed, such as day, week, month, quarter, or year.

Decomposition Tree: A Power BI visualization that breaks down a target metric by multiple dimensions to identify factors contributing to a result.

Root Cause Analysis: The process of systematically decomposing an outcome across relevant dimensions to identify the underlying drivers of a pattern or problem.

Key Influencers: A Power BI visualization that identifies and ranks the variables that most significantly increase or decrease the value of a selected target metric.

SAMEPERIODLASTYEAR(): A DAX time intelligence function that returns a set of dates shifted back exactly one year, enabling year-over-year comparisons.

DATESBETWEEN(): A DAX function that filters a date column to return only dates within a specified start and end range.

WEEKDAY(): A DAX function that returns the day of the week as a number for a given date, with Sunday as 1 by default.

Ad Hoc Exploration: User-driven, unstructured analysis performed interactively to investigate data without a predefined question or analytical framework.