

# Intermediate Tableau

## Course Content

### A Quick Tableau Refresher

- Query Sequence
- Charts & Dashboard Revision
- Measure Values and Measure Names
- Dates

### Connecting to data sources

- Building and editing re-usable Data Source Connections
- Introduction to the different Data Connection types
- How to join tables and the different join types
- Integrating data with cross-database Joins
- Combine data with different granularity – Data Blending
- How to blend data sources
- Appending rows from different tables using Unions

### Creating defined or calculated subsets of your data

- Creating, using and combining Sets
- Filtering and viewing results

### Calculations and Level of Detail (LOD)

- Calculated fields vs. table calculations
- How to create calculated fields
- Using calculations as Join clauses for tables
- Row level vs. Aggregate calculations
- Troubleshooting aggregation errors
- Changing the Level of Detail (LOD) of calculations – what, why and how

### Defining Table Calculations

- What are table calculations?
- Scope and direction of table calculations
- Using a specific dimension in a table calculation

- Statistical analysis using table calculations

### **Creating dynamic solutions with Parameters**

- Where and how can I use Parameters?
- Combining Parameters with Reference Lines
- Combining Parameters and Filters

### **Creating data snapshots**

- Creating and running Data Extracts

### **Comparing Progress between measures**

- Compare measures using a Bar-in-Bar Chart
- Compare progress towards a goal using a Bullet Graph

### **Customising Maps and Using Images**

- Map options
- Customising map layers
- Correcting Geocode locations
- Using your own images for spatial analysis
- Using external files for mapping geometric boundaries

### **Understanding data distribution**

- Creating Bins and Histograms
- Creating a Box and Whisker Plot

### **Analysing trends in your data**

- How do I add Trend Lines to my data?
- How can I quickly analyse my data?
- How can I extend my data with a Forecast?

### **Improving dashboards and storytelling using your data**

- Designing and building your dashboard
- Dashboard Best Practices
- Enabling users to ask questions
- Visual Best Practices
- Conveying data-driven Stories