Advance Tableau – Master Tableau in Data Science

# Section 1: Introduction

## Welcome Challenge!

## Welcome to Tableau Advanced Course

## Get the Datasets here

## Extra Resources

# Section 2: Groups and Sets

## Section Intro

## Project Brief: 1000 startups

## Working in Groups

## Creating Static Sets

## Creating Dynamic Sets

## Combining Sets

## Controlling Sets with parameters

## Dashboards: The startup quadrant

## Dashboard Tricks

## Section Recap

## QUIZ 1: Groups and Sets

# Section 3: Advanced Table Calculations

## Section Intro

## Project Brief: Coal Terminal Utilization Analysis

## Creating Multiple Joins in Tableau

## Calculated fields vs Table Calculations

## Creating Advanced Table Calculations

## Saving a Quick Table Calculation

## Specifying Direction of Computation

## Writing your own Table Calculations

## Adding a Second Layer Moving Average

## Quality Assurance for Tale Calculations

## Trendlines for Power-Insights

## Creating a Storyline

## Executive Report is Ready

## QUIZ 2: Advanced Table Calculations

# Section 4: Advanced Data prep + Analytics in Tableau

## Section Intro

## Project Brief: Retail Sector Forecast

## Building Box Plots in Tableau

## Analysis Box Plots

## Working with Large Data Sources

## Pivot & Split

## What does real world Retail look like?

## Primary use case for data source filters

## Trendlines

## Data Prep Exercise

## Advanced Timeseries Blending

## Calculating Sales per Capita

## Forecasting in Tableau

## How to present a storyline

## QUIZ 3: Advanced Data Prep + Analysis in Tableau

# Section 5: Creating Animation in Tableau

## Section intro

## Project Brief: World Health Trends

## Editing Blending Relationships

## Building the Visualization

## Adding Animation

## Manually Sorting Blended Data

## Leaving a Trail in your Animations

## Finalizing the Dashboard

## QUIZ 4: Animation in Tableau

# Section 6: Level of Detail Calculations (LOD)

## Section Intro

## Project Brief: Regional Profit Analysis

## Preparing the Workbook

## Aggregation and Granularity (refresher)

## LOD Calculations Intuition

## LOD Type 1: INCLUDE

## Understanding ATTR() in Tableau

## LOD Type 2: EXCLUDE (Part 1)

## LOD Type 2: EXCLUDE (Part 2)

## Multiple field LOD Calculation

## LOD Type 3: FIXED

## Finalizing the Visualization

## QUIZ 5: Level of Detail Calculation

# Section 7: Advanced Mapping Techniques

## Section Intro

## Getting into Shape with Polygons

## Background Maps

## Solving Business Challenges

## Drawing tool for Tableau

## Custom images on maps

## Distance Calculations

## Customize Maps with Mapbox

## Section Recap

# Section 8: Conclusions

# Section 9: Exclusive offer