

Sql Syllabus

- MYSQL Server Basics
- Database models
- ER Model Overview
- Data types
- Understanding Test Database
- Basics Queries
- Removing Duplicates
- Data Filters Using Operators
- Data Sorting
- Grouping
- Joins
- Arithmetic and String functions
- Advanced Functions
- SET Operators
- Creating Complex Queries
- DML operations - Insert, Update & Delete
- TSQL
- Database Objects - Create, Alter and Drop Tables
- Views
- Complex Views
- Indexes
- Advanced Indexes Concepts
- How Data is Stored
- Security - User Management
- Cursors
- Nested Cursors
- Functions
- Procedures
- Interoperability between Functions & Procedures

Tableau Course Syllabus

Section 1: Getting Started With Tableau course

- Introduction to Tableau and an overview of the different versions
- Installing Tableau Desktop
- Tableau Help and online resources

Section 2:

- Understanding Tableau User Interface
- Exploring Tableau File Types
- Understanding Green and Blue Pills
- Working with Available Data Sources
- Working with extracts instead of live connections

Section 3: Deep Diving With Data And Connections

- Working with Excel Data Interpreter
- Understanding Metadata and sharing data source connections
- Filtering data from your d
- Learning how to Split the fields
- Pivoting Data

Section 4: Creating Charts

- The Show Me Feature
- Crosstabs and Heat Maps
- Using Bar, Stacked Bar and Side-by-side Bars
- Pie Charts
- Line and Area Charts
- Working with Packed Bubble
- Using Tree maps
- Creating a Basic Scatter Plot
- Creating a Basic Maps

Section 5: Adding Calculations To Your Workbook

- Introduction to Calculations (this will explain the various flavours of calculations and the mechanics of calculations)
- Understanding Basics calculations
- Understanding String Calculations
- Learning about Boolean, If-Then calculations, and Case statements
- Understanding the Basics of Date Calculations
- Understanding Aggregation and Disaggregation
- Using calculations to add insight to your visualizations

Section 6: Mapping Data In Tableau

- Introduction to Mapping in Tableau
- Create a standard map view
- Dealing with map errors
- Customizing a standard map view
- Using filters in maps
- Quiz

Section 7: Dashboards And Stories

- Introduction to Dashboards
- Understanding Dashboard Actions
- Understanding Dashboard formatting basics
- Understanding Workbook level formatting (i.e. font styling, titles, lines)
- Assembling Your Dashboards Into A Story

Section 8: Visualizations For An Audience

- Focusing on the narrative
- Using colour with a purpose

- Understanding the importance of using tooltips for your audience
- Using a Parameter To Focus the Audience's Attention
- Removing clutter in your Dashboard
- How to export your dashboard to another file type

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