Here's a **Tableau Data Analysis Course Outline** that covers everything from beginner to advanced levels:

**Course Title: Tableau Data Analysis – From Beginner to Advanced**

**Module 1: Introduction to Tableau**

* Overview of Tableau and its Importance in Data Analysis
* Installing and Setting Up Tableau
* Understanding Tableau Interface & Workflow
* Connecting to Different Data Sources (Excel, Databases, Cloud, etc.)
* Data Types and Field Roles in Tableau

**Module 2: Data Preparation & Transformation**

* Understanding Data Connections (Live vs. Extract)
* Data Cleaning and Preprocessing in Tableau
* Data Blending vs. Data Joining
* Creating and Using Data Extracts
* Handling Null Values and Missing Data

**Module 3: Building Basic Visualizations**

* Creating Bar Charts, Line Charts, and Pie Charts
* Using Heat Maps, Tree Maps, and Scatter Plots
* Dual-Axis and Combo Charts
* Working with Filters and Parameters
* Sorting and Grouping Data

**Module 4: Advanced Visualizations & Customization**

* Creating Histograms, Box Plots, and Bullet Charts
* Geospatial Analysis – Mapping and Layers
* Dynamic Dashboards with Interactive Elements
* Using Actions (Filter, Highlight, and URL Actions)
* Customizing Tooltips for Better Insights

**Module 5: Calculations & Data Analysis**

* Basic Calculations (Arithmetic, String, and Date Functions)
* Table Calculations (Running Total, Percentages, etc.)
* Level of Detail (LOD) Expressions (FIXED, INCLUDE, EXCLUDE)
* Conditional Formatting and Custom Calculated Fields
* Trend Lines, Forecasting, and Statistical Analysis

**Module 6: Dashboard & Storytelling**

* Designing an Interactive Dashboard
* Using Layouts and Containers Effectively
* Implementing Filters and Dynamic Views
* Storytelling with Tableau Stories
* Best Practices for Dashboard Performance

**Module 7: Tableau Server & Online Sharing**

* Publishing and Sharing Dashboards
* User Permissions and Access Control
* Scheduling Extracts and Refreshing Data
* Embedding Tableau Visualizations in Web Pages
* Tableau Public vs. Tableau Server vs. Tableau Online

**Module 8: Real-World Case Studies & Projects**

* Hands-on Industry Projects (Retail, Healthcare, Finance, etc.)
* Analyzing Business KPIs with Tableau
* Automating Reports and Insights
* End-to-End Dashboard Development
* Final Capstone Project

Would you like me to modify this outline for a specific audience, like beginners, business analysts, or data scientists? 🚀