PowerBi and Tableau Training

Day	Hours	Session	Topics
Day 1 **Advanced Power BI**	2 Hours	Session 1	• Advanced data modeling techniques • Optimization of data relationships and cardinality • Handling complex data scenarios with Power Query
	2 Hours	Session 2	• Advanced DAX functions and calculations • Implementing time intelligence functions (e.g., YTD, QTD, MTD) • Creating dynamic and advanced measures
	2 Hours	Session 3	• Advanced visualization techniques in Power BI • Custom visuals and integration with R/Python • Best practices for designing complex reports and dashboards
Day 2 **Power BI Data Management and Integration**	2 Hours	Session 1	• Introduction to Power BI dataflows and datasets • Working with incremental refresh and partitioning • Implementing row-level security (RLS) and dynamic security
	2 Hours	Session 2	• Advanced techniques for integrating Power BI with other tools (e.g., Excel, SQL Server) • Using advanced data connectors and APIs • Managing large datasets and optimizing performance
	2 Hours	Session 3	• Power BI Premium features and capabilities • Advanced administration and governance in Power BI • Real-world case studies and hands-on projects
Day 3 **Advanced Power BI Applications**	2 Hours	Session 1	• Advanced data visualization techniques and interactive features • Implementing advanced analytics using AI visuals • Dashboard design principles for executive reporting
	2 Hours	Session 2	• Optimizing performance and troubleshooting in Power BI • Deploying and managing Power BI solutions at scale • Best practices for version control and collaboration
	2 Hours	Session 3	• Power BI embedded analytics and application integration • Using Power BI for advanced data storytelling and presentation • Q&A and discussion on advanced Power BI topics
Day 4 **Introduction to Tableau**	2 Hours	Session 1	• Overview of Tableau and its features • Installation and setup of Tableau Desktop • Understanding Tableau interface and terminology
	2 Hours	Session 2	• Connecting to data sources in Tableau • Introduction to data preparation and cleansing in Tableau
	2 Hours	Session 3	• Basic visualization techniques in Tableau

			• Building interactive dashboards and storyboards
			• Introduction to Tableau Server and sharing capabilities