

Certified Data Analysis and Visualization Professional Course

3 Months Online Data Analysis Training Schedule

WEEK	Topic (Zoom Link to be Provided)- Every Wednesday Evening, 2 hours (8:30 PM EAT)
Week 1	Advanced Data Analysis Workflow & Tool Integration: Understanding professional data analysis workflows and effective use of SPSS, R, Stata, Excel, Power BI, and Tableau.
Week 2	Advanced Excel for Data Analysis: Data cleaning, transformation, and preparation for statistical and visualization tools.
Week 3	SPSS for Advanced Statistical Analysis: Applying and interpreting statistical techniques for evidence-based decision-making.
Week 4	R for Data Analysis & Automation: Efficient data manipulation, automation, and reproducible analytical workflows.
Week 5	Stata for Applied Data & Program Analysis: Regression analysis, diagnostics, and translating results into actionable insights.
Week 6	Advanced Data Management & Multi-Tool Integration: Managing datasets and integrating outputs across SPSS, R, and Stata.
Week 7	Power BI – Advanced Data Modeling & Dashboard Development: Designing analytical dashboards for decision support.
Week 8	Tableau – Advanced Visual Analytics & Data Storytelling: Communicating insights through interactive and impactful visualizations.
Week 9	Integrating Statistical Analysis with BI Tools: Linking SPSS, R, and Stata outputs to Power BI and Tableau dashboards.
Week 10	Advanced Data Reporting & Communication: Crafting clear analytical narratives beyond numbers.
Week 11	Applied Predictive & Diagnostic Analytics: Using statistical models for forecasting, risk analysis, and decision support.
Week 12	Final Integrated Data Analysis Project & Professional Practice: End-to-end analytical project presentation and professional readiness.