

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