COURSE SYLLABUS

Analyst Applications Course

Put your analytical skills to the test by designing and presenting a full study plan grounded in data analysis and strategic recommendations.

Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/courses/analyst-applications



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Course Outline

Module 1: Review of Data Analysis and Data Presentation Methods

- Revisit core principles of quantitative and qualitative data analysis.
- Review effective data visualization techniques for clarity and impact.
- Understand how to tailor data presentations for different audiences.
- Identify best practices to ensure accuracy and consistency in reporting.

Module 2: Case Study – A Defense Supply Center

- Analyze a real-world defense supply chain case study using analytical tools.
- Identify challenges and evaluate operational performance metrics.
- Develop actionable recommendations based on data-driven findings.

Module 3: Review of How to Design an Analytical Study

- Reinforce the steps of planning and structuring an analytical study.
- Clarify research questions, data sources, and analysis methods.
- Integrate project planning, risk assessment, and stakeholder engagement.

Module 4: Case Study – Bureau of Land Management Wild Horse and Burro Program

- Examine a government program through applied analysis techniques.
- Identify program performance issues using collected data.
- Formulate policy or operational recommendations based on findings.