COURSE SYLLABUS

AI for Federal Budget Formulation and Execution Course (Self-Paced)

Strengthen federal budget formulation, execution, and funds management workflows using AI tools while maintaining compliance with appropriations law and safeguarding sensitive fiscal data.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/ai-for-federal-budget-formulation-and-execution-course-self-paced



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Course Outline

Module 1: AI Fundamentals for Budget Professionals

- How AI language models work and their capabilities for financial analysis
- Responsible AI use in a federal budget context
- Protecting sensitive budget data and controlled unclassified information (CUI)
- Recognizing AI hallucinations in financial outputs

Module 2: AI for Budget Formulation

- Using AI to analyze historical spending data and forecast trends
- Drafting budget justification narratives and program descriptions with AI assistance
- Navigating OMB Circular A-11 requirements with AI research support
- Generating and refining congressional budget exhibits

Module 3: AI for Budget Execution and Funds Management

- Applying AI to obligation tracking, commitment analysis, and funds status reporting
- Using AI to identify potential Anti-Deficiency Act risks and anomalies
- Apportionment, allotment, and sub-allotment analysis with AI tools
- Continuing resolution scenario planning with AI support

Module 4: Hands-On Workshop

- Participants apply AI tools to realistic federal budget scenarios
- Practice prompt engineering for budget-specific queries
- Cross-check AI outputs against official sources and agency data
- Group exercise: Using AI to build a budget execution status briefing