COURSE SYLLABUS

AI for Federal Budget Formulation and Execution Course

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



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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