

Case Study: Defining an AI-Driven Budgeting Platform (Early-Stage Product Strategy)

Overview

Led early-stage product definition for an AI-driven municipal budgeting platform focused on improving forecasting, scenario planning, and data accessibility for government stakeholders. Work centered on problem framing, solution design, and feasibility definition rather than full product delivery.

Problem Identified

- Manual, time-intensive budgeting processes
- Limited ability to forecast or model scenarios
- Difficulty accessing and interpreting financial data
- Underutilized data for decision-making

Objective

Define a feasible AI-enabled product vision that supports data-driven planning and integrates into existing government workflows.

Work Delivered

- Defined AI use cases: forecasting, anomaly detection, scenario modeling, natural language querying
- Translated AI capabilities into user-centered product features and workflows
- Established data ingestion, normalization, and governance requirements
- Evaluated feasibility, dependencies, and constraints for implementation

Conceptual AI Workflow

User Need	AI Capability	Product Output
Budget Planning	Forecasting / NLP / Detection	Insights, Scenarios, Queries

Outcomes

- Established clear product direction and roadmap for AI capabilities
- Enabled stakeholders to understand realistic AI value and requirements
- Positioned product for future development and investment

Key Contribution

Translated ambiguous interest in AI into a structured, feasible product vision with defined use cases, workflows, and data requirements.