

AI-Assisted Semantic Model Optimization

Inspired by [a community BPA workflow](#) - Tabular Editor finds what's wrong. A GitHub Copilot agent fixes it - directly in your live Power BI model, with your approval.

Tabular Editor Finds the Issues

71 Best Practice Analyzer rules scan your semantic model for DAX performance, naming, formatting, and maintenance violations

Copilot Agent Fixes Them

The AI agent reviews each Tabular Editor finding, reasons about the fix, and applies it to your live model - with your approval before every write

From Hours to Minutes

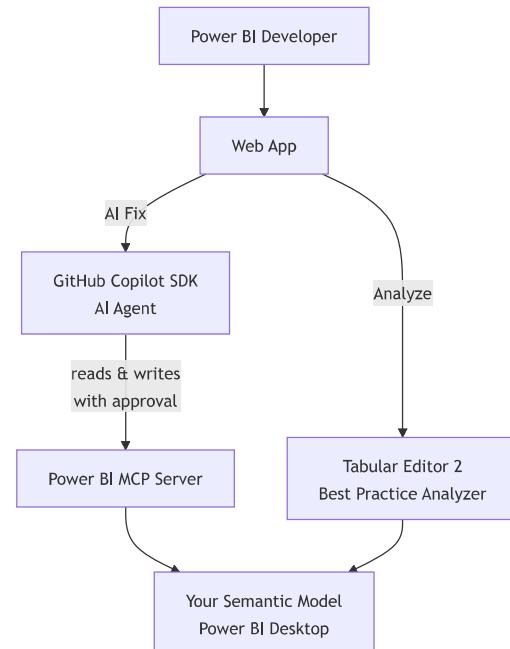
A single guided workflow replaces copying between 4+ tools:
analyze, fix, verify - one window

Built-in DAX Workspace

Write DAX or describe what you need in plain English. Choose your agent model - GPT, Claude, Codex

Repo: github.com/AlahmadiQ8/copilot-sdk-challenge • **Demo:** youtu.be/xYDh9zKUyOI

How It Works



The workflow:

1. **Connect** to your Power BI Desktop model
2. **Analyze** - 71 best practice rules run instantly
3. **Fix** - AI agent reads your model, proposes a fix, waits for your OK
4. **Verify** - rerun analysis to confirm

Built on Microsoft ecosystem:

- GitHub Copilot SDK - enterprise AI agent
- Power BI Modeling MCP Server
- Tabular Editor 2 - BPA engine
- Power BI Desktop

All sessions persisted in SQLite for full auditability.