AIM Business Intelligence Agent: Enabling AI-Human Co-Working for Smart Government Decision-Making

AI+ Civil Services Technology Forum
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By Dr Candy Tung
Data Strategy Director

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The Challenge in Government Data Management

Current Pain Points

Data Silos: Data fragmentation across multiple government departments and systems creates information silos

Manual Delays: Manual data processing leading to delayed decision-making and missed opportunities

Analyst Overload: Human analysts overwhelmed by vast amounts of unstructured data from diverse sources

Limited AI capabilities: Limited collaboration between AI tools and human expertise reducing effectiveness

High Analysis Cost: Resource-intensive analysis processes affecting operational efficiency and budget allocation

The Solution

AI-human partnership that **amplifies human intelligence** rather than replacing it, transforming how government makes data-driven decisions.

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AI in Government: Already Transforming Policy Making

Policy makers worldwide are already leveraging AI to enhance efficiency and insight quality. The question isn't whether to adopt AI, but how to implement it systematically and responsibly across government operations.

United Kingdom

Redbox: Policy document summarization serving 1,000+ users across Cabinet Office

Consult: Public consultation analysis 1,000x faster than manual review

Parlex: Parliamentary management planning streamlining workflows for bill teams

Singapore

Pair Chat: Comprehensive research, email drafting, and idea generation tool for government officials

Ideathon: Advanced ideation platform with adjustable creativity levels for policy innovation

Private Sector Innovation

Goldman Sachs: 95% of complex regulatory filings automated—transforming a 6-person, 2-week task into minutes

McKinsey: 30% time savings achieved while simultaneously improving insight quality and analytical depth

Key Insight: The global trend is clear—governments and organizations are moving from experimentation to systematic AI integration in policy work, achieving unprecedented efficiency gains while maintaining quality standards.

Source: Urban, J. (2025, February 6). Policy making in the era of artificial intelligence. Institute for Government.
https://www.instituteforgovernment.org.uk/publication/policy-making-era-artificial-intelligence

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Introducing AIM BI Agents Architecture

The AIM Business Intelligence Agent employs a sophisticated multi-agent system specifically designed to support data-driven decision making across all policy cycle stages. Each specialized agent contributes unique capabilities while working in concert to deliver comprehensive intelligence.

Data Agent

Continuous monitoring for **agenda setting** and **implementation tracking** across diverse data sources

Analysis Agent

Provide comprehensive analysis aid with visualization during **formulation process**

Advisory Agent

Evidence-based policy recommendations supporting **formulation and selection processes**

Automation Agent

Regular intelligence delivery ensuring timely insights reach decision makers during **implementation** and **evaluation stage**

Learning Agent

Feedback analysis enabling continuous improvement across the **entire policy cycle**

Key Principle: "AI Enhances Evidence, Humans Make Democratic Decisions"

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AI-Human Co-Working Across Policy Stages

The AIM system creates a collaborative workflow where artificial intelligence augments human capabilities at every step. This partnership ensures data-driven insights enhance decision quality while preserving the essential judgment and accountability of civil servants.

Agenda Setting

AI monitors data streams → Humans validate and priority issues

Policy Formulation

AI analyzes alternatives → Humans design policy options and direction

Policy Selection

AI provides impact forecasts → Humans choose optimal policy

Implementation

AI tracks real-time progress → Humans coordinate delivery

Evaluation

AI measures outcomes → Humans interpret and decide next steps

🔄 **Learning Loop:** Insights feed back into the next policy cycle with human validation and institutional knowledge integration

Democratic Safeguard: Human oversight and final approval at every critical decision point

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AIM BI Agent in Action

From Policy Question to Strategic Intelligence in Minutes

Simulated Scenario with Mock Data: Hong Kong Trade Policy Analysis

Policy Question: "How are US-China trade tensions affecting Hong Kong's role as a regional trade hub?"

AI-Human Workflow Demonstration

Step 1: AI Data Intelligence

Input: US tariff data + HK trade volumes + Visitor statistics
AI: Generates data dictionary, identifies relationships
Human: Define analytic scope & validates data relationship

Step 2: AI Use Case Generation

AI: Suggests use cases *"Trade Hub Vulnerability Assessment Under US Tariff Escalation"* and *"Strategic Trade Diversification and Market Prioritization Analysis"*
Human: Approve analytical framework & provides feedback

Step 3: AI Dashboard Generation

Critical Metrics: Vietnam +91.8%, Taiwan +72.7%, ASEAN +25-30% growth rates
Risk Indicators: 145% mainland tariffs, 15-20% intermediation surge, concentration vulnerability
Human: Applies geopolitical context & assesses policy implications

Step 4: AI Strategic Recommendations

Immediate: Vietnam corridor 40% capacity increase Q4 2025
Medium-term: ASEAN-4 cluster targeting HK$150B annual throughput
Long-term: India engagement, diversified portfolio risk management
Human: Prioritize initiatives & allocates resources

Key Outcome: 15-minute AI analysis + Human expertise = Strategic intelligence in minutes, not weeks.

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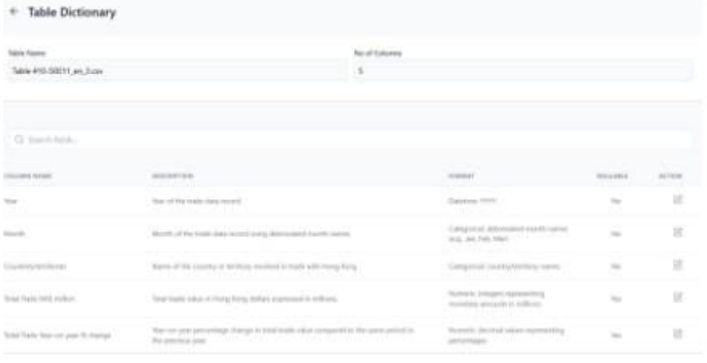

Task Details
Task ID: 07ccb66704fe4dbe9651198d057420fb

Back to Tasks

Task Name	Trading Performance Review
Description	This analysis examines the relationship between escalating US customs tariffs and Hong Kong's trade performance with major Asian economies during the period of January 2024 to August 2025. The analysis focuses on nine key trading partners—Chinese Mainland, Taiwan, Singapore, Korea, Vietnam, Japan, Malaysia, India, and Thailand—which collectively represent the backbone of Hong Kong's regional trade network. Notably, Hong Kong itself became directly entangled in the tariff wars, experiencing a dramatic escalation from 0% US tariffs throughout 2024 to peaks of 145% in early May 2025, before stabilizing at 10% during the subsequent truce period. The review period captures a critical juncture in global trade dynamics, characterized by a transition from relative tariff stability in 2024 to unprecedented tariff escalation in early 2025, followed by negotiated truces. By correlating US tariff policy changes with Hong Kong's bilateral trade volumes and growth rates, this analysis seeks to understand whether Hong Kong has benefited from trade diversion effects or suffered from broader disruptions to regional supply chains.
Status	Completed
Purpose of Analysis	How are US-China trade tensions affecting Hong Kong's role as a regional trade hub?
Industry	Public Sector - Government Trade & Industry Department

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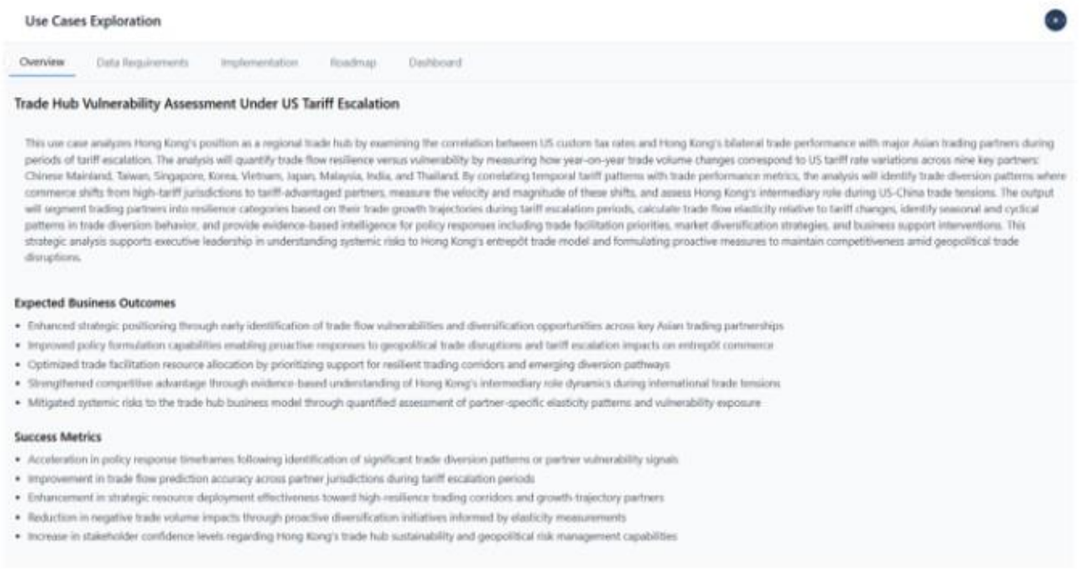

Use Cases Exploration

Overview | Data Requirements | Implementation | Roadmap | Dashboard

Trade Hub Vulnerability Assessment Under US Tariff Escalation

This use case analyzes Hong Kong's position as a regional trade hub by examining the correlation between US custom tax rates and Hong Kong's bilateral trade performance with major Asian trading partners during periods of tariff escalation. The analysis will quantify trade flow resilience versus vulnerability by measuring how year-on-year trade volume changes correspond to US tariff rate variations across nine key partners: Chinese Mainland, Taiwan, Singapore, Korea, Vietnam, Japan, Malaysia, India, and Thailand. By correlating temporal tariff patterns with trade performance metrics, the analysis will identify trade diversion patterns where commerce shifts from high-tariff jurisdictions to tariff-advantaged partners, measure the velocity and magnitude of these shifts, and assess Hong Kong's intermediary role during US-China trade tensions. The output will segment trading partners into resilience categories based on their trade growth trajectories during tariff escalation periods, calculate trade flow elasticity relative to tariff changes, identify seasonal and cyclical patterns in trade diversion behavior, and provide evidence-based intelligence for policy responses including trade facilitation priorities, market diversification strategies, and business support interventions. This strategic analysis supports executive leadership in understanding systemic risks to Hong Kong's entrepôt trade model and formulating proactive measures to maintain competitiveness amid geopolitical trade disruptions.

Expected Business Outcomes

- Enhanced strategic positioning through early identification of trade flow vulnerabilities and diversification opportunities across key Asian trading partnerships
- Improved policy formulation capabilities enabling proactive responses to geopolitical trade disruptions and tariff escalation impacts on entrepôt commerce
- Optimized trade facilitation resource allocation by prioritizing support for resilient trading corridors and emerging diversion pathways
- Strengthened competitive advantage through evidence-based understanding of Hong Kong's intermediary role dynamics during international trade tensions
- Mitigated systemic risks to the trade hub business model through quantified assessment of partner-specific elasticity patterns and vulnerability exposure

Success Metrics

- Acceleration in policy response timeframes following identification of significant trade diversion patterns or partner vulnerability signals
- Improvement in trade flow prediction accuracy across partner jurisdictions during tariff escalation periods
- Enhancement in strategic resource deployment effectiveness toward high-resilience trading corridors and growth-trajectory partners
- Reduction in negative trade volume impacts through proactive diversification initiatives informed by elasticity measurements
- Increase in stakeholder confidence levels regarding Hong Kong's trade hub sustainability and geopolitical risk management capabilities

Step 2: AI Use Case Generation

AI: Based on given data and human input, suggests use cases *"Trade Hub Vulnerability Assessment Under US Tariff Escalation"* and *"Strategic Trade Diversification and Market Prioritization Analysis"* with the following framework:

- Overview – provide the objectives of use case with expected benefit and define measurement for success
- Data Requirement – list out required data and design data model
- Implementation – Provide the metrics and KPI definition and suggested analytical angle.

Human: Approve analytical framework & provides feedback

Key Outcome: 15-minute AI analysis + Human expertise = Strategic intelligence in minutes, not weeks.

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AI-Human Workflow Demonstration

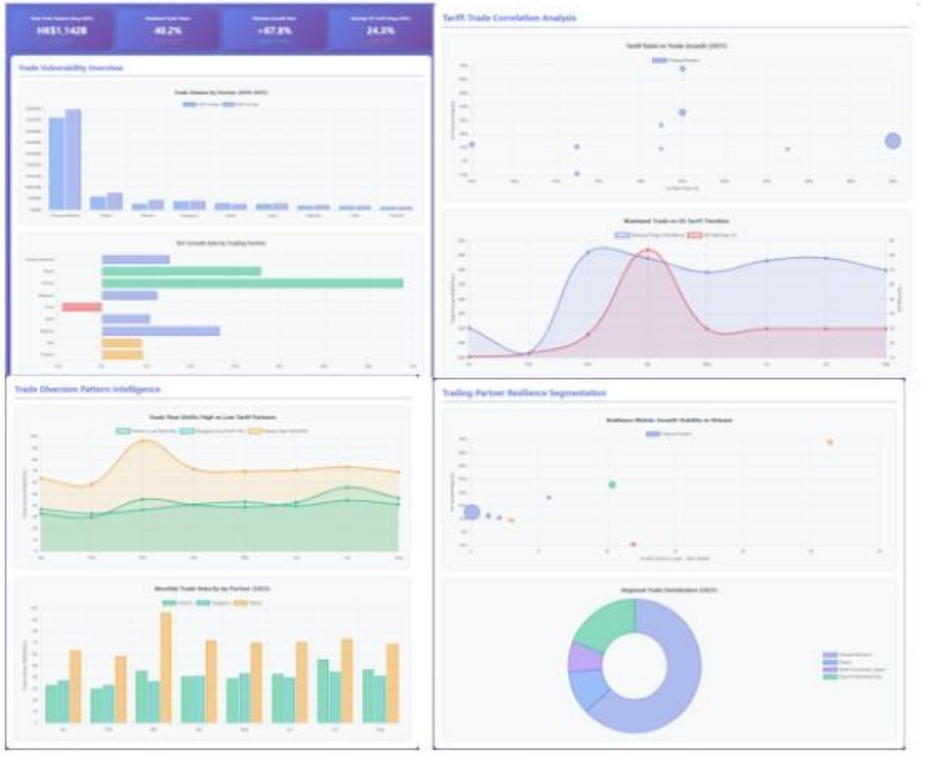
Step 3: AI Dashboard Generation

AI: Generate a dashboard with multiple analytic angles with well defined metrics and indicator. For example, four angles with metric below are presented in the dashboards.

- Trade Vulnerability Overview
- Tariff-Trade Correlation Analysis
- Trade Diversion Pattern Intelligence
- Trading Partner Resilience Segmentation

Critical Metrics: Vietnam +91.8%, Taiwan +72.7%, ASEAN +25-30% growth rates
Risk Indicators: 145% mainland tariffs, 15-20% intermediation surge, concentration vulnerability

Human: Applies geopolitical context & assesses policy implications



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AI-Human Workflow Demonstration

Step 4: AI Strategic Recommendations

AI: US-China trade tensions are transforming Hong Kong into a critical trade diversification hub, with Vietnam trade surging 92% and ASEAN partnerships expanding 15-30%, while mainland trade maintains resilience at HK$460B despite 145% tariffs. As a result, the action plan below is suggested
Immediate: Vietnam corridor 40% capacity increase Q4 2025
Medium-term: ASEAN-4 cluster targeting HK$150B annual throughput
Long-term: India engagement, diversified portfolio risk management

Human: Prioritize initiatives & allocates resources

Executive Insights & Strategic Roadmap

Vietnam: Premier Diversification Target

Vietnam emerged as the highest-priority alternative corridor with exceptional 68% average growth (2023), HK$43.3B trade volume, and manageable 20% tariff exposure. Monthly trade surged to HK$5.8B in July 2025 (+91.8% YoY), driven by supply chain relocation and increasing business visitor engagement (South/Southeast Asia: 3.5M visitors in 2024).

Singapore: Stable Premium Hub

Singapore demonstrates remarkable resilience with HK$39.4B average trade (2025), consistent 12.4% growth, and minimal 10% tariff burden. The market combines high trade efficiency (low customs friction) with strong visitor engagement trends, positioning it as a strategic financial and logistics gateway for diversified operations.

ASEAN Momentum: Malaysia & Thailand

Malaysia accelerated to 26.5% growth (HK$20.7B trade, 19% tariff), while Thailand maintained steady 9.2% expansion (HK$14.1B, 19% tariff). Combined ASEAN-4 (Vietnam, Singapore, Malaysia, Thailand) represents HK$117.5B opportunity—23% of total trade—with visitor arrivals growing 15-20% annually, indicating deepening commercial relationships.

India: Emerging Recovery Play

India rebounded strongly to 8.9% growth (2025) after tariff-induced volatility, reaching HK$17.5B trade volume. Despite elevated 25% tariff exposure (rising to 50% from August 2025), India's massive market scale and South Asia visitor flows (growing to 300K+ monthly) present medium-term diversification potential with strategic bilateral engagement.

Strategic Action Recommendations

- **Immediate Priority: Vietnam Corridor Acceleration** — Deploy dedicated trade facilitation resources to Vietnam route (target: 40% capacity increase by Q4 2025). Launch sector-specific business matching programs in electronics, textiles, and manufacturing. Negotiate expedited customs clearance protocols leveraging current 68% growth momentum before market saturation.
- **Singapore Financial Hub Integration** — Deepen Singapore partnership through enhanced financial services coordination, leveraging its 10% tariff advantage and stable regulatory environment. Establish joint venture platforms for trade finance and supply chain financing targeting HK$50B+ annual throughput by 2026.
- **ASEAN-4 Cluster Strategy** — Implement coordinated approach treating Vietnam, Singapore, Malaysia, and Thailand as integrated trade ecosystem. Develop regional hub-and-spoke logistics model with Singapore as financial center and Vietnam as manufacturing base. Target combined growth to HK$150B (30% total trade share) within 18 months.
- **India Strategic Positioning** — Time major trade missions to Q1-Q2 2026 (post-tariff stabilization period). Focus on technology transfer, pharmaceutical collaboration, and services trade less sensitive to goods tariffs. Leverage growing South Asia visitor trends (3.5M annually) for B2B matchmaking and long-term relationship building.
- **Visitor-to-Trade Conversion Programs** — Establish data-driven business facilitation linking visitor arrival patterns with trade outcomes. Deploy targeted hospitality and networking programs during peak visitor months (July-August, October-December) to convert relationship-building into commercial transactions, targeting 15% visitor-to-trade conversion improvement.
- **Risk-Balanced Portfolio Approach** — Maintain diversified exposure across low-tariff jurisdictions while preserving existing strong relationships. Target portfolio composition: Singapore (premium stability), Vietnam (high growth), Malaysia/Thailand (balanced growth), India (strategic optionality), ensuring no single alternative corridor exceeds 25% of non-mainland trade to mitigate concentration risk.

Key Outcome: 15-minute AI analysis + Human expertise = Strategic intelligence in minutes, not weeks.

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Enhanced Government Workflows Through Co-Working

AIM transforms how government agencies operate by creating powerful AI-human partnerships across critical functions.

Policy Analysis

AI Role: Processes vast datasets from multiple sources, identifying patterns and correlations

Human Role: Applies political context, stakeholder considerations, and makes final policy decisions

Result: Comprehensive analysis in hours instead of weeks

Resource Planning

AI Role: Predicts demand patterns using historical data and trend analysis

Human Role: Makes strategic allocation decisions balancing competing priorities and political realities

Result: Optimized resource distribution with maintained accountability

Citizen Services

AI Role: Identifies service gaps and citizen needs through data analysis

Human Role: Designs and approves targeted interventions with empathy and cultural sensitivity

Result: Faster response times with maintained human oversight

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Empowering Civil Servants, Not Replacing Them

AIM is designed to augment human capabilities, freeing government professionals to focus on what they do best: strategic thinking, policy design, and public service.

Time Liberation

Reduction in manual data tasks, freeing staff for strategic thinking and complex problem-solving that requires human judgment

Enhanced Accuracy

AI handles data processing and initial pattern recognition while humans focus on interpretation, context, and decision-making

Skill Development

Upskills workers in AI collaboration and data-driven decision making, preparing them for the future of public service

Confidence Building

Explainable insights help humans make informed decisions backed by comprehensive data analysis

Workload Balance

AI handles routine analysis, allowing humans to tackle complex policy challenges requiring creativity and ethical judgment

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Building Trust Through Transparency

Successful AI-human collaboration requires trust, transparency, and robust governance frameworks that ensure responsible deployment.

Expert Involvement

Every AI suggestion is verified by human experts before proceeding to the next step, ensuring accuracy and appropriateness in context

Human Override Capability

Government staff maintain complete control over final decisions with the ability to override AI recommendations at any time

Continuous Learning Loop

AI improves through human feedback and decision validation, creating increasingly effective collaboration over time

Ethical AI Framework*

Built-in safeguards ensuring responsible AI deployment with privacy protection, bias mitigation, and accountability measures

Training & Support

Comprehensive programs to build AI literacy among civil servants, ensuring confident and effective use of the system

*Digital Policy Office, Government of the Hong Kong Special Administrative Region. (2025, April). Hong Kong Generative Artificial Intelligence Technical and Application Guideline. Retrieved from https://www.digitalpolicy.gov.hk/en/our_work/data_governance/policies_standards/ethical_ai_framework/doc/HK_Generative_AI_Technical_and_Application_Guideline_en.pdf

Vision for Smart Government Co-Working

The Future of AI-Human Partnership in Public Service

Augmented Public Servants

AI-enhanced capabilities while preserving human judgment, ethics, and accountability in every decision

Faster, Better Decisions

Combining AI speed and processing power with human wisdom, experience, and contextual oversight

Citizen-Centric Services

AI insights + Human empathy = Better public service delivery that truly meets community needs

Innovation Culture

Government teams empowered to explore new collaboration models, experiment with AI tools, and drive continuous improvement

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Let's Connect

MVP Partner Engagement

Visit Us at the Forum

Booth AutoInsight

Experience live demonstrations of AIM Business Intelligence Agent and discover how AI-human co-working can transform your government operations.

Get in Touch

AutoInsight Ltd

Learn more about our solutions and schedule a personalized consultation with our team.

Dr. Candy Tung **Mobile: 67383762**

Email: candy.tung@autoinsight.cloud