



Advanced AI and Data Science Solutions for the Transformation of Statistical Production

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Economic Statistics: How Digital Evolution Impacts
Economic Decision-Making

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Flash Talk

AI AND DS
SOLUTIONS

ORGANIZATIONAL
CHANGE

DOING IT
TOGETHER AS A
COMMUNITY

AI and Data Science Solutions

LOD (Linked Open Data)
essential for modernizing
and transforming statistical
infrastructure

Definition: LOD refers to structured data - interlinked and published on the web, adhering to open standards (such as RDF, SPARQL, and URIs).

It facilitates the sharing, connection, and reuse of data across different domains and systems

**Key Features of LOD
Statistical Infrastructure:**

Interoperability: LOD enables seamless integration of diverse datasets, improving compatibility between national and international statistical systems

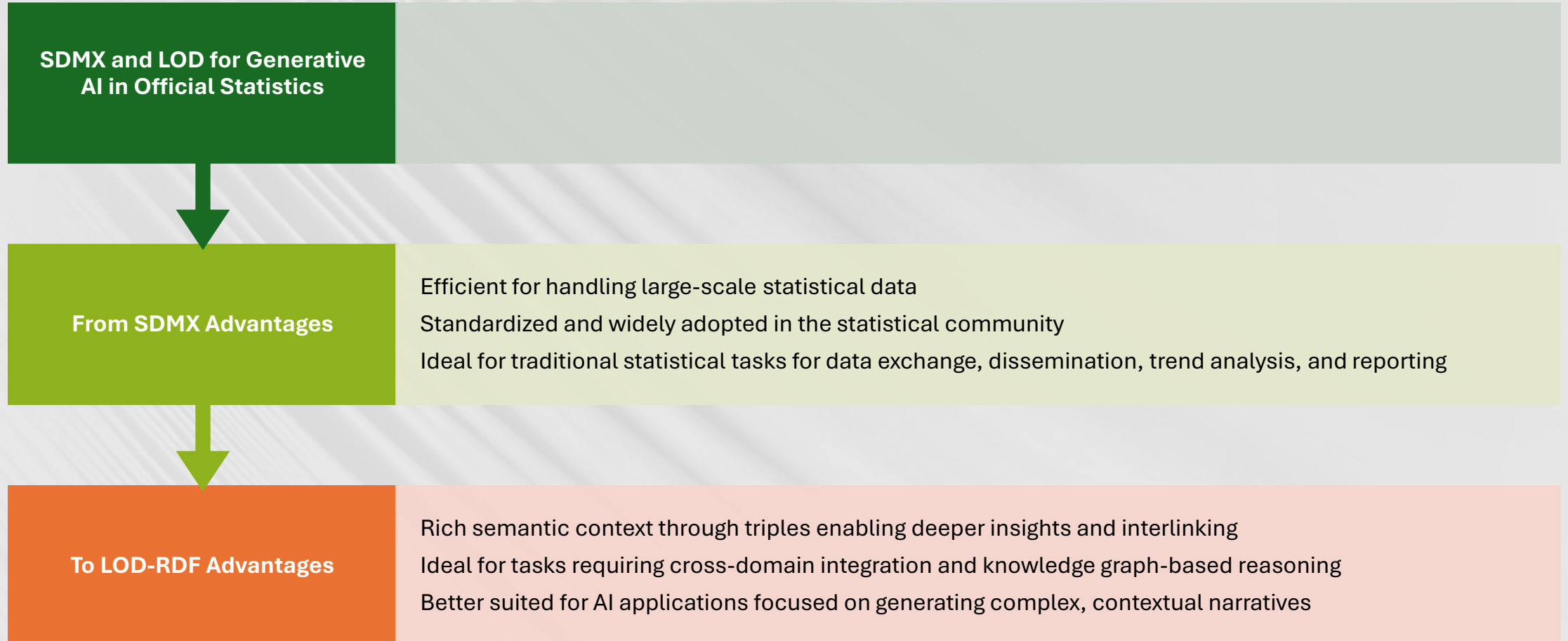
Transparency: Openly accessible data enhances trust and accountability in statistical outputs

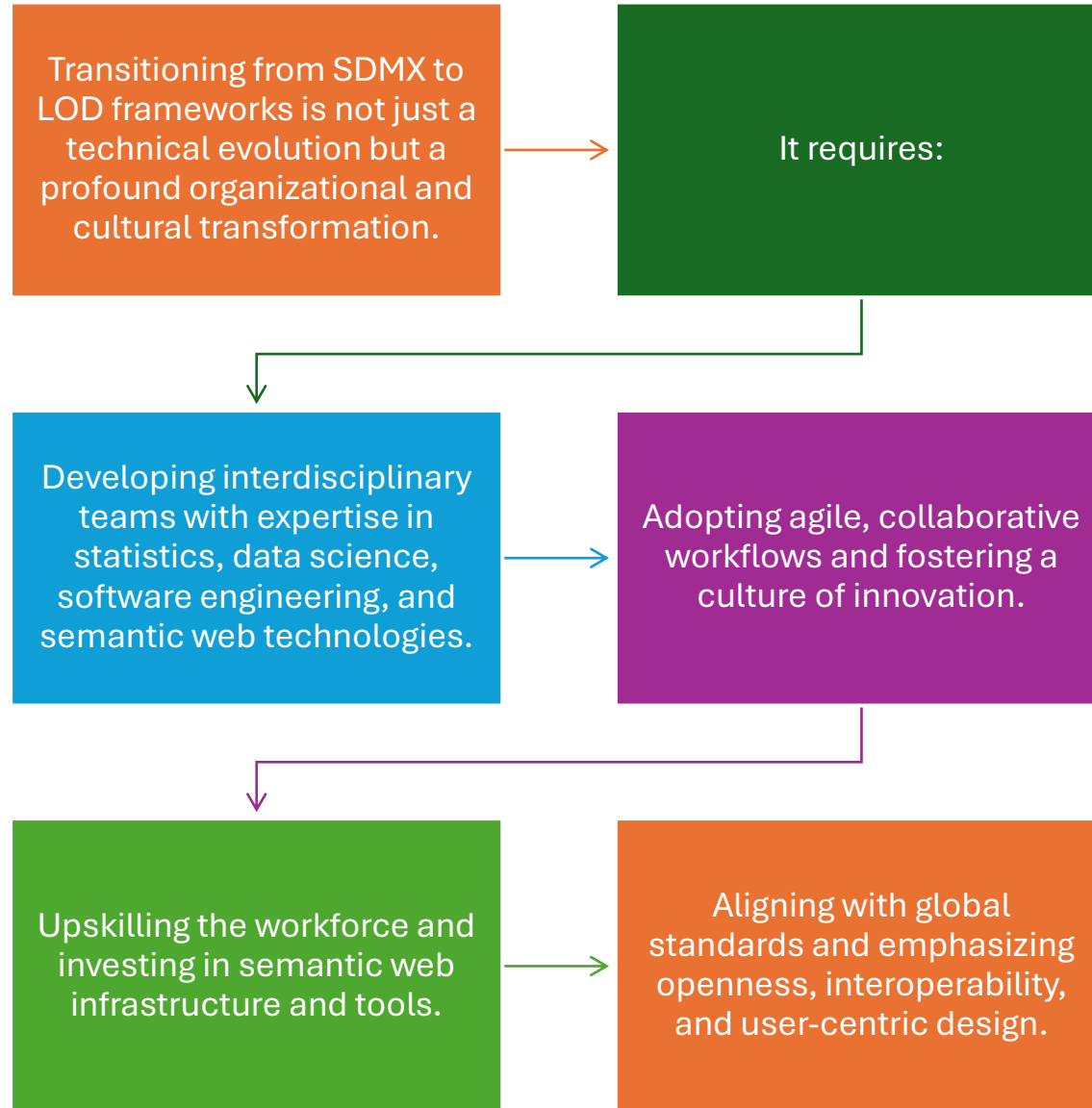
Reusability: Datasets published as LOD can be reused for various purposes, such as research, policy-making, and analysis

Scalability: It supports scalable statistical systems by enabling links to external datasets

**Enhances compatibility
with other LOD data:
(statistics, text, images,
etc.)**

From SDMX to full LOD Infrastructure





Technical Evolution AND Organizational Transformation

Doing it together

Key Benefits of Broader Partnerships

Cross-Domain Integration: LOD infrastructure benefits from data and expertise across diverse sectors, enriching its utility

Innovation Acceleration: Collaborating with academia and tech providers fosters innovation in tools, methodologies, and applications

Global Interoperability: International and standardization partnerships ensure compatibility across systems

Sustainability: Engaging governments and funders ensures long-term viability and alignment with policy priorities

User-Centric Design: Including users and civil society ensures that LOD systems meet real-world needs