DATA COLLABORATIVES

THE EMERGENCE OF PUBLIC-PRIVATE PARTNERSHIPS AROUND DATA FOR SOCIAL GOOD

STEFAAN G. VERHULST
ALL IS NOT WELL
DATAFICATION

(PERSONAL) DATA RESULTING FROM...

- Commercial activity and financial transactions
- Communicating and engaging in social interactions - for pleasure, study and/or work
- Moving around
- Media and entertainment consumption
- Personal health and wellbeing (including quantified self applications)
- Obtaining an (ongoing) education and job experience
- Home assistance and other in-home, IoT, sensor devices
PRIVATE DATA FOR PUBLIC GOOD

PRIVATE DATA FOR PUBLIC INNOVATION

NEW PUBLIC PRIVATE PARTNERSHIPS FOR A DATA AGE

DATA COLLABORATIVES
DATA COLLABORATIVES
CREATING PUBLIC VALUE BY EXCHANGING DATA

WHAT ARE DATA COLLABORATIVES

Data Collaboratives are a new form of collaboration, beyond the public-private partnership model, in which participants from different sectors—in particular companies—exchange their data to create public value.
International Consortium for Data Collaboratives

Public-Private Data Partnerships for International Development

The International Monetary Fund, the Inter-American Development Bank, and the World Bank are forming an International Consortium for Data Collaboratives. The Consortium fosters efficient and responsible data partnerships for public good.
THE POTENTIAL (AND LIMITATIONS) OF DATA COLLABORATIVES

EVOLVING POLICY CYCLE

- Situation Analysis
- Prioritization
- Problem Definition
- Solution Design
- Implementation
- Evaluation
- Iteration
- Knowledge Creation
- Agenda Setting
- Prediction
DIFFERENT OPERATIONAL MODELS

DATA COOPERATIVES OR POOLING

PRIZES & CHALLENGES

RESEARCH PARTNERSHIPS

INTELLIGENCE PRODUCTS

APPLICATION PROGRAMMING INTERFACES (APIS)

TRUSTED INTERMEDIARY
DIFFERENT OPERATIONAL MODELS

- Prizes & Challenges: 14
- API: 18
- Intelligence Product: 40
- Trusted Intermediary: 41
- Research Partnership: 44
- Data Pooling: 52
DIFFERENT INCENTIVES AND MOTIVATIONS

- Reciprocity
- Revenue
- Research & Insights
- Regulatory Compliance
- Reputation & Retention of Talent
- Responsibility
VARIOUS CONCERNS

- PRIVACY & SECURITY
- GENERALIZABILITY & DATA QUALITY
- COMPETITIVE CONCERNS
- GENERALIZABILITY & DATA QUALITY
- CULTURAL CHALLENGES
- COMPETITIVE CONCERNS
- CULTURAL CHALLENGES
- VARIOUS CONCERNS
CHALLENGES AND GOALS MOVING FORWARD

DATA COLLABORATIVES

SYSTEMATIC

RESPONSIBLE

COSTS

RISKS

SUSTAINABLE

VALUE

DATA COLLABORATIVES
DATA STEWARDS

- Partnership and Community Engagement
- Internal Coordination and Staff Engagement
- Data Audit and Assessment of Value and Risk
- Dissemination and Communication of Findings
- Nurture Data Collaboratives to Sustainability
SUSTAINABLE

TRANSACTION & OPPORTUNITY COSTS

PUBLIC GOOD AND VALUE

NEWLAB

The Circular City

IBM
RESPONSIBLE

- COLLECTION
- PROCESSING
- SHARING
- ANALYZING
- USING
Introducing Contracts for Data Collaboration

A repository for strengthening trust, transparency, and accountability

Andrew Young

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