Statistics in the New Cutting Edge Environment: Journey, Opportunities and Challenges

Evidence Based Policymaking in the Era of Big Data

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Data

- Data and Big Data
- Big Data is still data
Data Development: Phase I

- Record
- Collect
- Structure
- Store
Data Development: Phase II

- Manage
- Process
- Analyze
Data Development: Phase III

- Informatize
- Disseminate
- Feedback
History of Data

- Sumer
- Babylon
- Egypt
- Maya
- Harappa
- Yangtze
Informatization

- Data
  - Integration
  - Statistization
  - Analyzation
  - Interpretation
Data Sources

- Administrative records
- Sample surveys and censuses
- Transactional records
- Modelled estimates
Analysis

- Quantitative analysis
- Qualitative analysis
- Economic analysis
- Social analysis
- Policy analysis
Policy

- Public policies
- Economic and social policies
- Conventional and modern policies
Policymaking

- Reactionary
- Operational
- Directional
- Strategic
Evidence

- Historical data holdings
- Proliferation of research
- Information age
Policymaking Space

- Environment and ecosystem
- Local and global
- Economic and social
- Evidence and experimentation
- Policy instruments and actions
Policy Areas

- Business enablement
- Optimal taxation
- Education and skill development
- Jobs and employment
- Foreign direct investment (FDI)
- Trade and global value chains (GVCs)
Policy Areas

- Multifaceted infrastructure
- Multifactor productivity
- Research and development
Policy Areas

- Health care and social welfare
- Environment and climate change
- Effective governance
- International relations
Evidence Based Policymaking

- Data for development
- Information for innovation
- Policy for progress
Thank you!