



5th Malaysia Statistics Conference

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From Data to Knowledge : The Journey

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

Polycymaking 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!