STATISTICS PRODUCTION SYSTEM 4.0

Presentation at

CES seminar, 20 June, 2017

“The role of next generation of statisticians and data scientists”

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How Data Sources are used

Big Data

Sample Survey Data

Admin Data
How Data Sources should be used
Statistics Production System 4.0

Primary / Integrated Registers

BASE REGISTERS

Sample Surveys

Problem formulation Survey Design

Alternative data sources

Estimates (Statistics)
Statistics Production System 4.0

Primary / Integrated Registers

BASE REGISTERS

Sample Surveys

Problem formulation
Survey Design

Estimates (Statistics)

Alternative data sources

Survey Design Task Force
Future role of statisticians/data scientists

- Many new roles/competencies in the future NSI are needed
- Data science and data scientists
  - Deriving new knowledge/insights?
  - An NSI provide descriptions of the state of the nation
  - “Correlation structures” useful in estimation
- Statistical modelling
- Survey sampling equally important in the future
- Competencies for handling and using administrative data
- Statisticians central in a survey design task force.
- Communication fostering users
Thanks for Your attention!