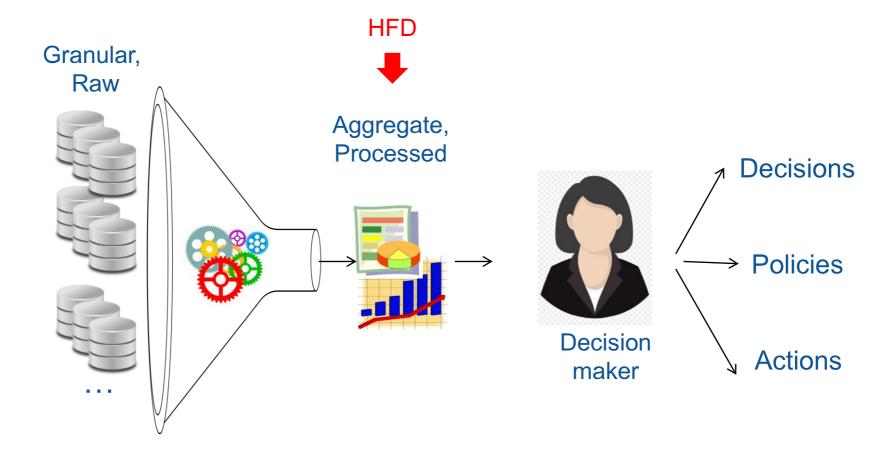


ECB Workshop on High Frequency Data 15-16 October 2020

Martina Hahn, Eurostat, Head of Unit B1 'Methodology; Innovation in Official Statistics'



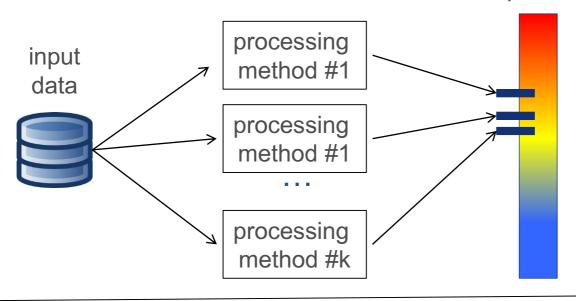
The data-driven decision process



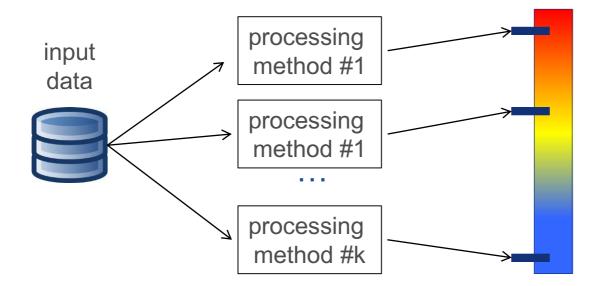


Methodological sensitivity: the importance of "trusting the methodology"

output value



Low Methodological Sensitivity



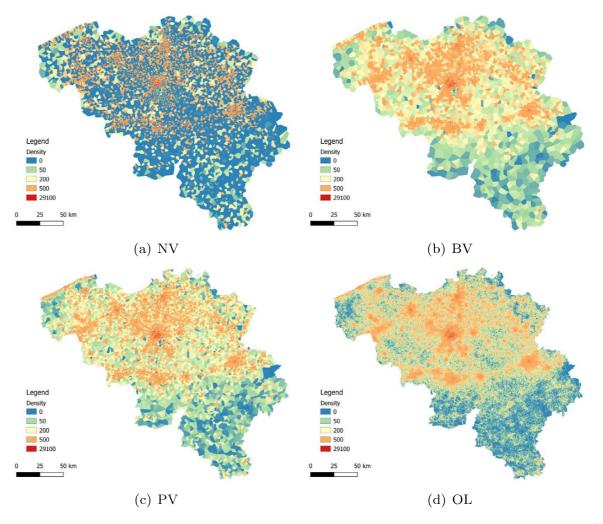
High Methodological Sensitivity



Example: estimation of spatial density based on mobile network

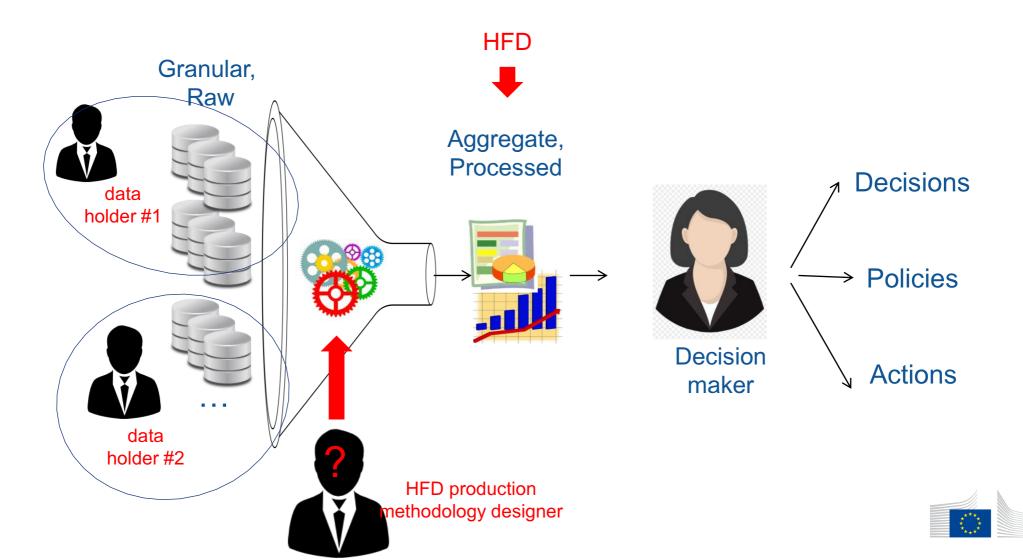
operator data (Belgium)

Same input (raw) data processed with 4 different geolocation methods produce different results.





The data-driven decision process



European Commission

Eurostat/ESS: Trusted Smart Statistics

Trusted Smart Statistics Priority domains

Web Intelligence

> Online job vacancies Wikipedia Enterprise websites Internet platforms

Trusted
Smart
Surveys

Time use Household budget Mobile
Network
Operator
Data
Methodologica
I Framework
Human

presence and

movements

Transport and Logistics

Vessel traffic Air traffic Railway traffic Smart Systems

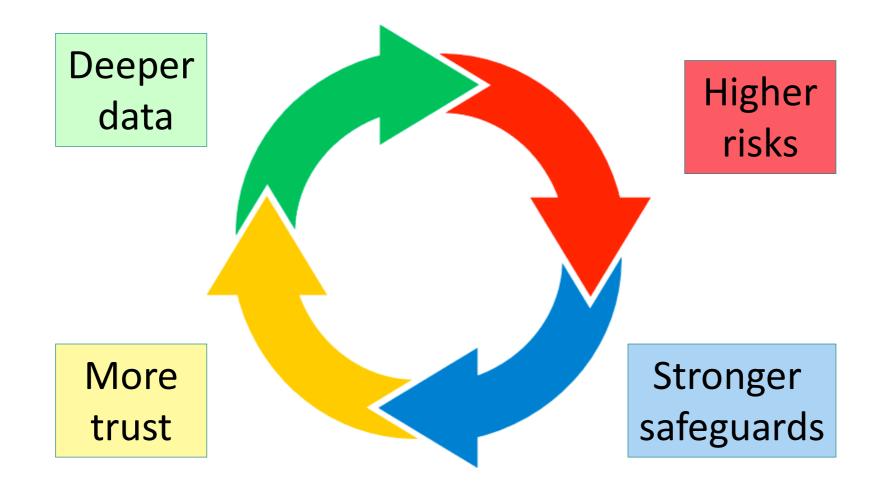
Smart farming Smart devices IoT for smart cities Smart traffic Earth
Observation

Agriculture, Land cover, Environment, SDGs

Comp unity of experts



The smart and trust cycle





Thank you

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