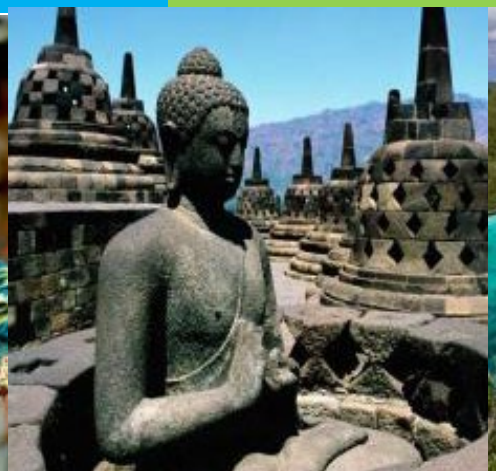
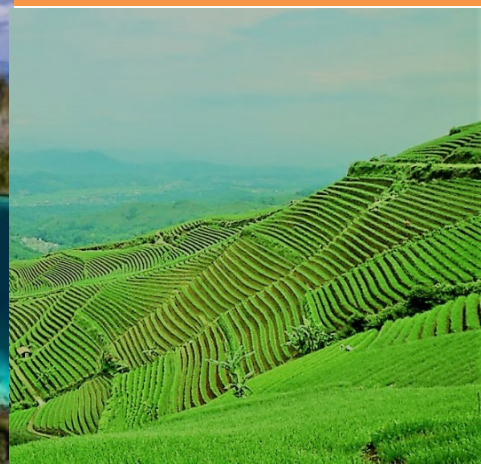
STATISTICS INDONESIA

Pelopor
Data Statistik
Terpercaya
Untuk Semua

Mobile Positioning Data Make sub Region Tourism Visible

RIFA RUFIADI





Domestic Tourism

- 34 Province → 514 Kabupaten
- 256 Million People
- How Many Domestic Tourism ?
- How Much Their Expenditure ? For what
- Where they come from, where they go
- Mode of Transport ?

INBOUND & OUTBOUND THROUGH 10 COUNTRIES BORDER

NOT ALL GATE HAVE 24/7 IMMIGRATION SERVICE

→ Under Coverage Inbound & Outbound Data (7%)

← BORDER SURVEY is TOO EXPENSIVE

COLLABORATION IS THE SUCCES KEY

BADAN PUSAT STATISTIK
Statistic Indonesia

wonderful indonesia

2016 & 2017

- BPS define concept & method of conversion MPD to Inbound Tourism Statistics
- MoT support budget to apply the method in border country MPD from the largest Mobile Network Operator

2018

BADAN PUSAT STATISTIK
Statistic Indonesia

wonderful indonesia

positium

- Fine Tune Inbound MPD to get better Tourism Statistics
- Produce Domestic Tourism Statistics using MPD
- Training
- Write Handbook
- Develop QAF

LEES PEOPLE MORE OUTPUT

Team Leader

Alfatihah Reno
BPS

Data Scientist

Amanda Putra P.
BPS

Software Engineer

Ignatius Aditya S.
BPS

Statistician

Agus Ruslani
BPS

Wa Ode Zuhayeni
BPS

Data Scientist

Amalia Sharfina S.
Telkomsel

Amin Rois Sinung
BPS

Data Engineer

7 staff can handle work load that usually need 8.000 employee for each quarter on HH survey

BUDGETING STRATEGY 2018

Rp 40 Billion

DOMESTIC TOURISM STATISTICS

38 %

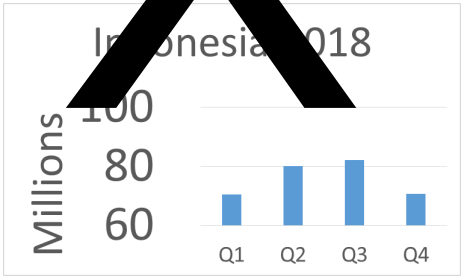
MOBILE POSITIONING DATA

62 %

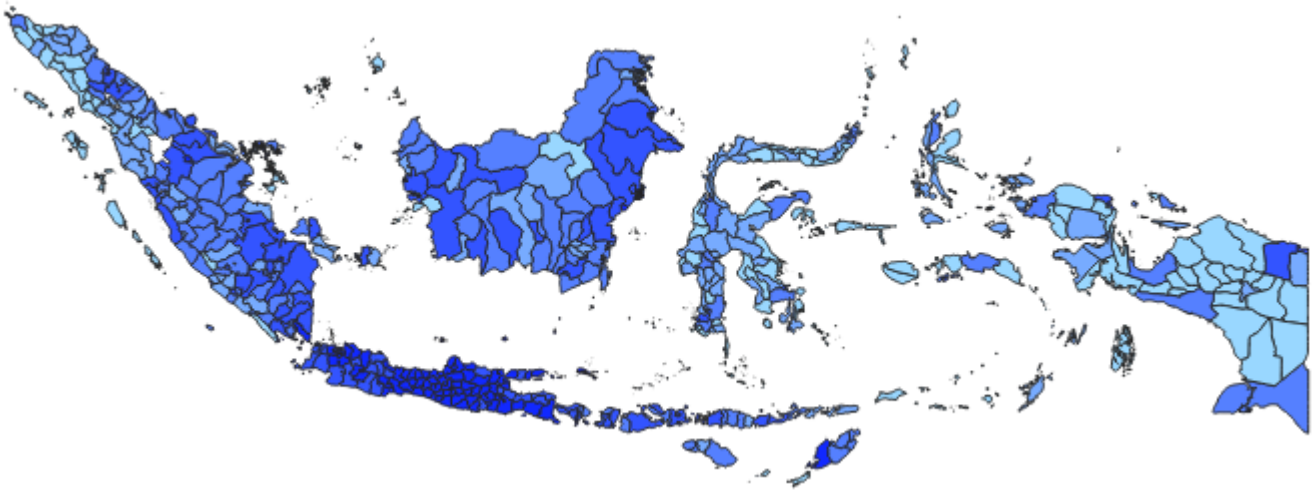
HOUSEHOLD SURVEY

LESS PRICE DEEPER DATA

~~62 % Budget~~ 2020



Number of Domestic Tourism Yogyakarta Origin



38 % Budget

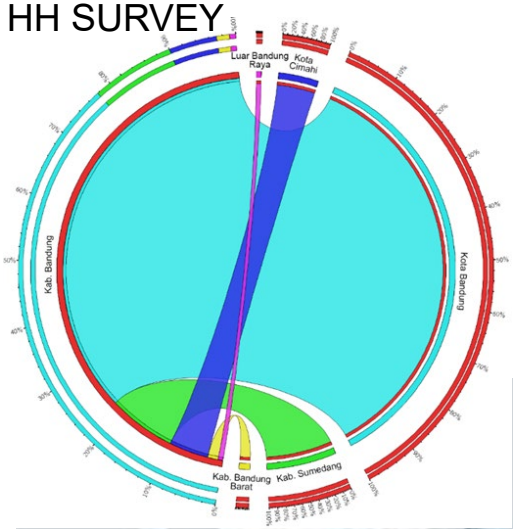
LESS BUDGET MORE DATA IN ONE STEP

TRAVELLER

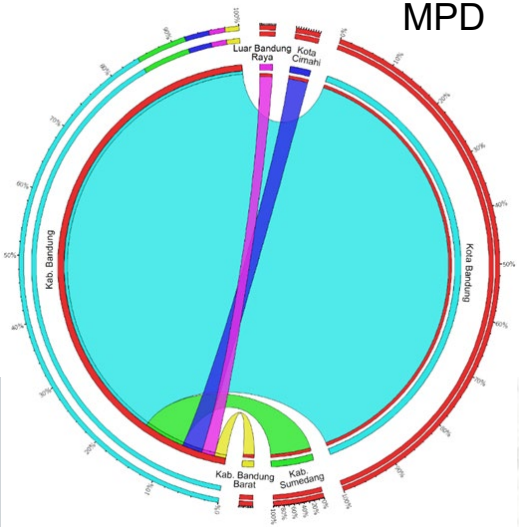
- TOURISM
- CIRCULAR
- COMMUTER
- EVENT ANALISYS
- UNEMPLOYMENT (UNDER RESEARCH)

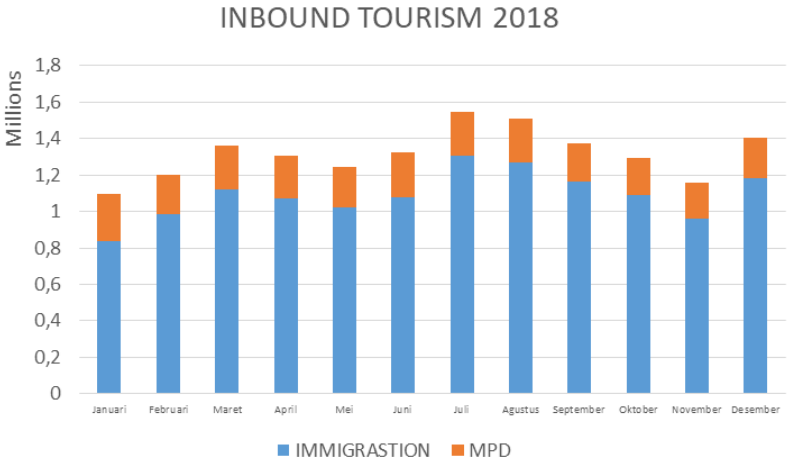
COMMUTER IN BANDUNG AREA 2018

HH SURVEY



MPD





SUMMARY

- MPD can be used for official statistics related to
  - Number of people
  - Movement
  - Location
  - Duration
  - Density
- Collaboration and Mutual Trust among Institutions is the Key for Success of using MPD
- MPD can be used for Official Statistics if NSO have access to MNO data, need regulation and Global Recommendation

BADAN PUSAT STATISTIK

Pelopor
Data Statistik
Terpercaya
Untuk Semua

Terima Kasih

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