

INDONESIA'S INITIATIVES WITH BIG DATA FOR OFFICIAL STATISTICS



Tourism Statistics



Price Nowcasting



Commuting Statistics



Rice crop production



DATA SOURCES FOR COMMUTING STATISTICS











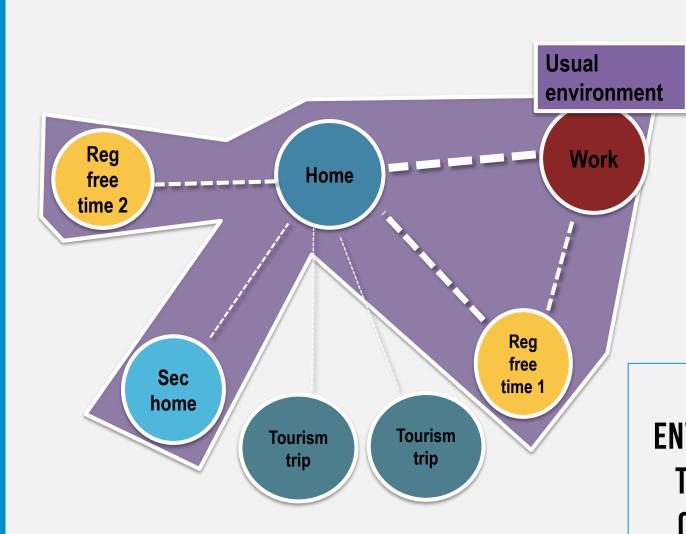
Location Based Service (LBS)

based on geo-data to calculate the presence of cellular subscriber in particular area

Call Detailed Record (CDR)

Based on geo-data to calculate all transactions of cellular subscriber in particular area

MODEL ORIGIN-DESTINATION

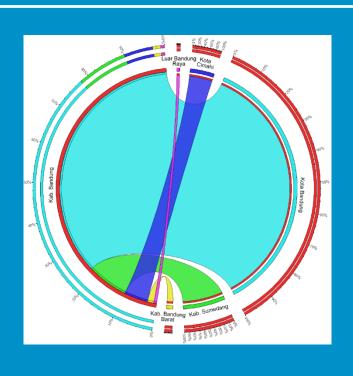


TRIP IN USUAL ENVIRONMENT USED TO IDENTIFY THE COMMUTER AND CIRCULAR ACTORS

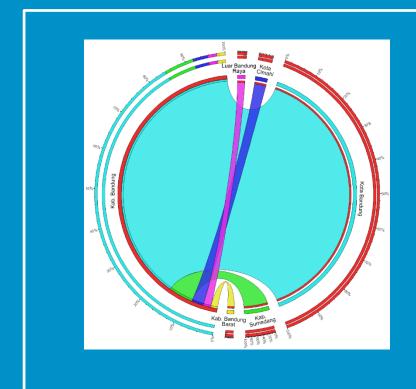


	SURVEY	MPD
REGION	BANDUNG REGENCY	BANDUNG REGENCY
PERIOD	JUNE, 2017	DECEMBER, 2017
UNIT SAMPLE	HOUSEHOLD SURVEY	TELKOMSEL SUBSCRIBER
SAMPLE SIZE	16.572	~ 2 MILLION?

COMMUTER ESTIMATION COMPARISON USING SURVEY VS MPD₍₂₎



SURVEY



MPD







ADVANTAGES

- MPD CAN DESCRIBE MOVEMENTS BETWEEN TIMES
- 2. THE LONGER THE DATA SERIES THE BETTER THE ACCURACY PRODUCED
- 3. NEAR REAL TIME DATA

LIMITATIONS

- 1. BOUNDARIES ISSUE
- 2. PRIVACY ISSUE
- 3. DATA AUTHORIZATION
- 4. NEED TO ADJUST CONCEPTS AND METHODOLOGIES WITH THE CHARACTERISTICS OF BIG DATA

