

Annex 4: Types of big data that can be used in complexity evaluations

Big data tools	Examples of evaluation applications
1. Social media analysis (Facebook, Twitter, etc.)	<ul style="list-style-type: none"> • Opinions and social networks • Analysis of hate speech and fake news • Identifying area of poverty hotspots by frequency of words related to hunger
2. Satellites and drones	<ul style="list-style-type: none"> • Changing land patterns • Tracking mobility and longitudinal trends • Growth of infrastructure • Estimating poverty levels by quality of house construction • Estimating poverty by level of light intensity at night
3. Internet of things (IOT), including remote sensors	<ul style="list-style-type: none"> • Volume of water taken from well or standpipe • People entering community buildings • Pedestrian and vehicular traffic patterns and volume • Biometric measures of individuals
4. Radio call-in programs	<ul style="list-style-type: none"> • Identifying ethnic tension and sources of conflict • Attitudes to different government agencies and civil society
5. Internet searches	<ul style="list-style-type: none"> • Trending and predicting behavior • Predicting migration
6. Mobile phones	<ul style="list-style-type: none"> • Effectiveness of phone messages to influence health behavior • Identifying poverty hotspot
7. Administrative records and secondary data (surveys, etc.)	<ul style="list-style-type: none"> • Integrated data platforms to merge and analyze data from different agencies • Identifying patterns and trends in PDF files
8. Telecom call data records (CDRs)	<ul style="list-style-type: none"> • Tracking mobility and integration of refugees