



How data science and analytics can contribute to sustainable development

1 NO POVERTY

Spending patterns on mobile phone services can provide proxy indicators of income levels

2 ZERO HUNGER

Crowdsourcing or tracking of food prices listed online can help monitor food security in near real-time

3 GOOD HEALTH AND WELL-BEING

Mapping the movement of mobile phone users can help predict the spread of infectious diseases

4 QUALITY EDUCATION

Citizen reporting can reveal reasons for student drop-out rates

5 GENDER EQUALITY

Analysis of financial transactions can reveal the spending patterns and different impacts of economic shocks on men and women

6 CLEAN WATER AND SANITATION

Sensors connected to water pumps can track access to clean water

7 AFFORDABLE AND CLEAN ENERGY

Smart metering allows utility companies to increase or restrict the flow of electricity, gas or water to reduce waste and ensure adequate supply at peak periods

8 DECENT WORK AND ECONOMIC GROWTH

Patterns in global postal traffic can provide indicators such as economic growth, remittances, trade and GDP

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Data from GPS devices can be used for traffic control and to improve public transport

10 REDUCED INEQUALITY

Speech-to-text analytics on local radio content can reveal discrimination concerns and support policy response

11 SUSTAINABLE CITIES AND COMMUNITIES

Satellite remote sensing can track encroachment on public land or spaces such as parks and forests

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Online search patterns or e-commerce transactions can reveal the pace of transition to energy efficient products

13 CLIMATE ACTION

Combining satellite imagery, crowd-sourced witness accounts and open data can help track deforestation

14 LIFE BELOW WATER

Maritime vessel tracking data can reveal illegal, unregulated and unreported fishing activities

15 LIFE ON LAND

Social media monitoring can support disaster management with real-time information on victim location, effects and strength of forest fires or haze

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Sentiment analysis of social media can reveal public opinion on effective governance, public service delivery or human rights

17 PARTNERSHIPS FOR THE GOALS

Partnerships to enable the combining of statistics, mobile and internet data can provide a better and real-time understanding of today's hyper-connected world

