Artificial Intelligence and Advanced Data Analytics for Smarter and Safer Cities

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Arterial Road Traffic, Pedestrian Pathways Surveillance, Tram Networks, People Opinions/Emotions, Defense, Healthcare

Arterial Road Network

Social Media Monitoring

Tram Network

Pedestrian Pathways

Vehicular Surveillance

Weather forecast data
Road infrastructure and planned event data
Live Bluetooth sensor data
Live social media feed
Postcode data
Google Maps API
Tram GPS Tracker Data
Low cost surveillance camera (CCTV)
National Database of Fire Incident Analysis - BNHCRC

INNOVATIVE | RESPONSIBLE | ENGAGED
1. Digital representation of physical entities
   - Sensors, IOT, images/video + multiple sources of public data sources
   - Profiles – digital twins – of entities, organizations

2. AI and advanced analytics
   - Fusion, integration of multiple and distributed sources of data
   - Detect movement in data and generate alerts
   - Text, social media, sentiment and emotion handling
   - Predictive analytics

3. Intelligent, interactive dashboard based data visualization and insight generation