

Artificial Intelligence and Advanced Data Analytics for Smarter and Safer Cities

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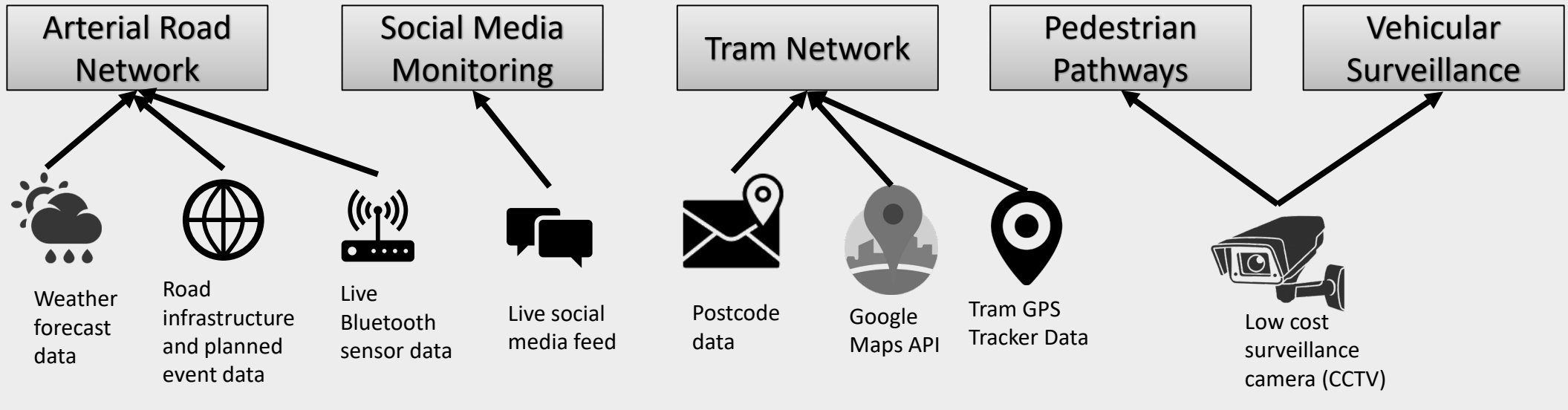
Research Centre for Data Analytics and Cognition

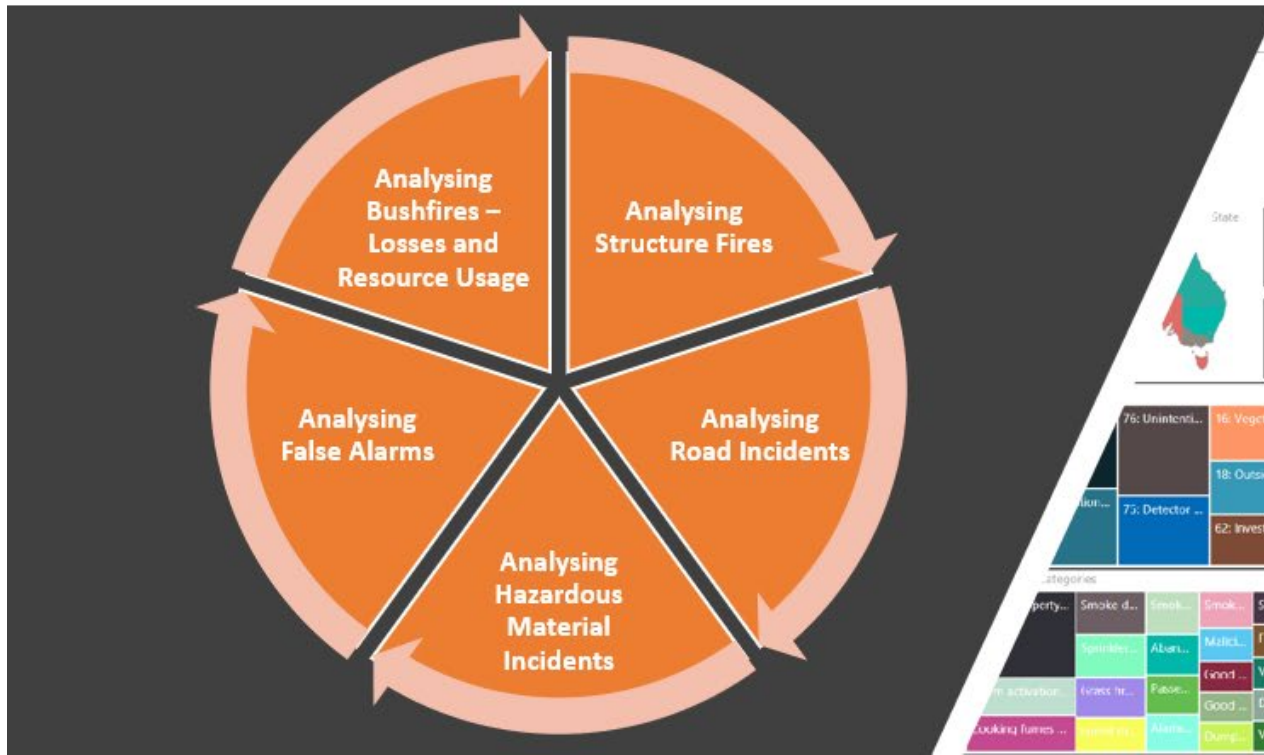
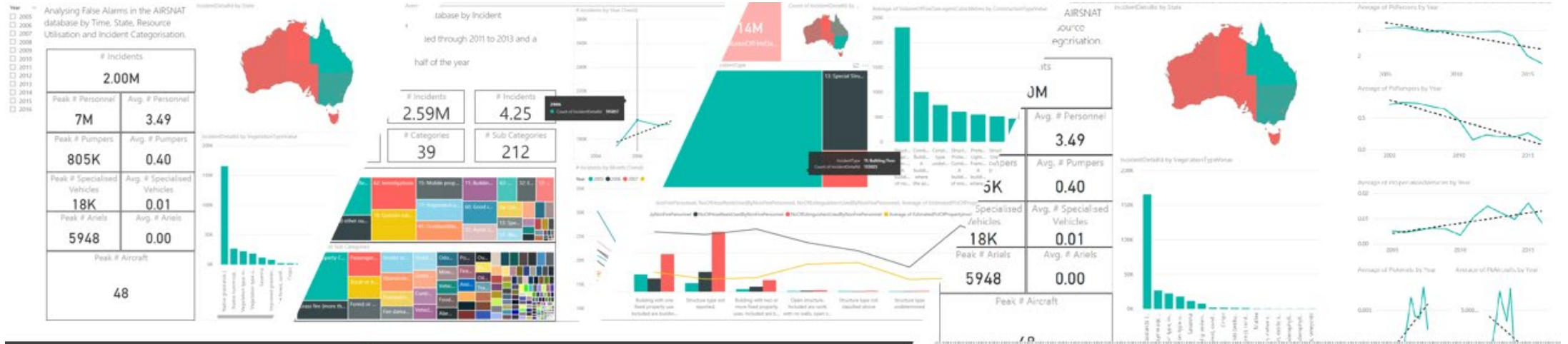
La Trobe University

BNHCRC

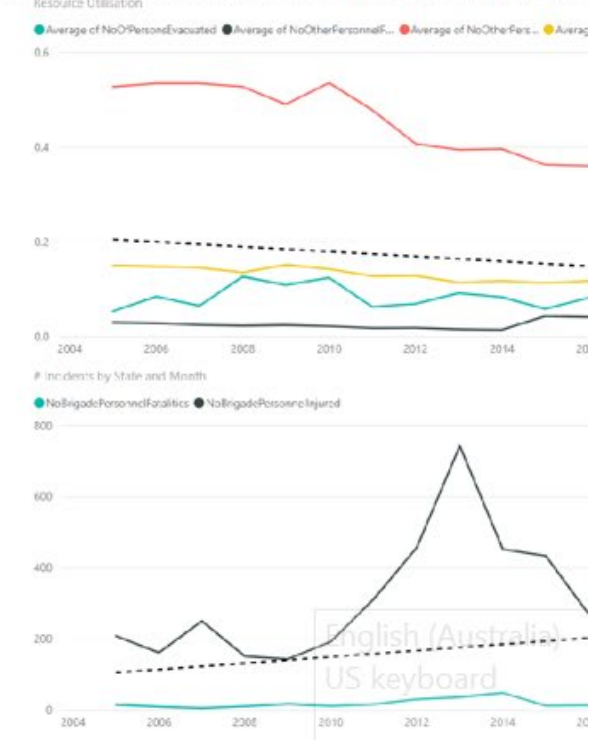
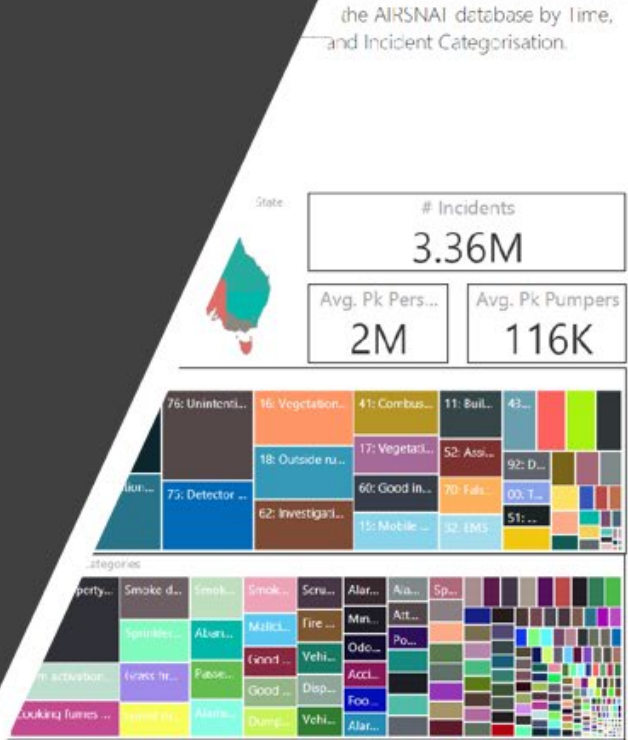


Arterial Road Traffic, Pedestrian Pathways Surveillance, Tram Networks, People Opinions/Emotions, Defense, Healthcare





the AIRSNAI database by Time, and Incident Categorisation.



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