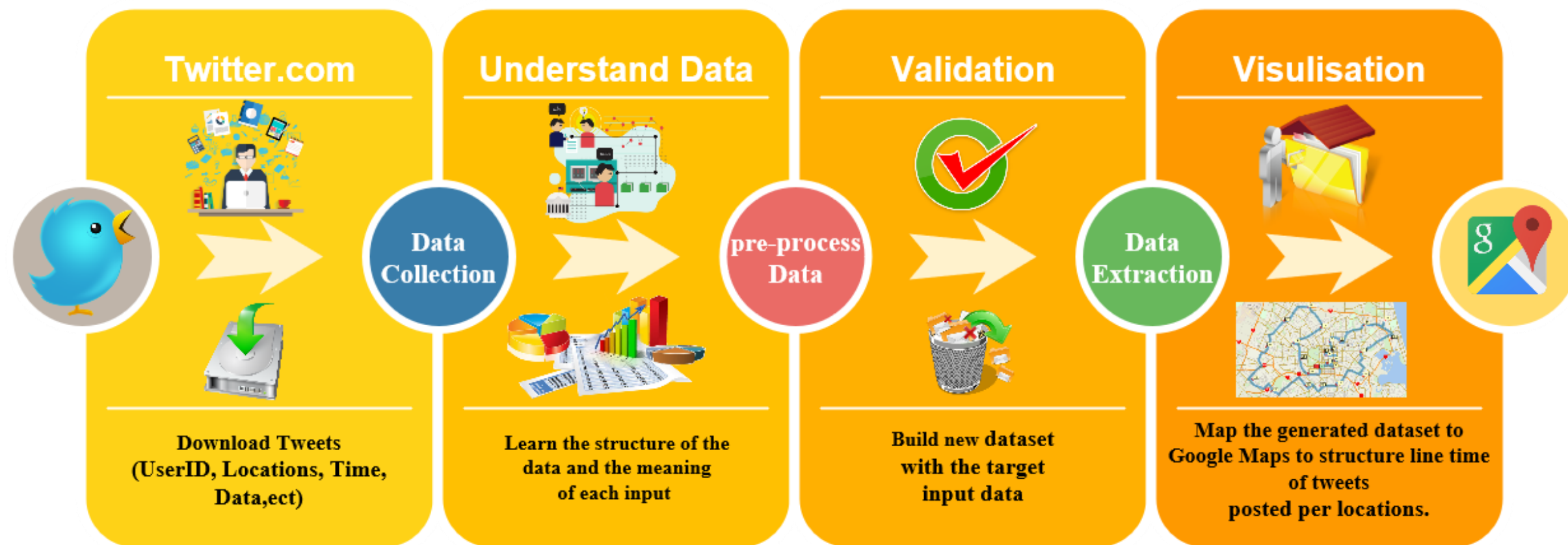# Tweets Locations into Google Maps

Maha S K Al-Anqoudi

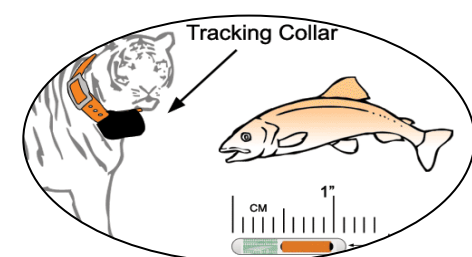MSc in Big Data

Motivations

The interesting of this project is the use of social media which became today very popular. People are using it in almost all their activities. Locations recording is one feature which most social media (Ex: Twitter, Facebook) start using it. It allows sending location with what user post. Locations data could be used to investigate different opportunities(Business, Educations, Investment, etc).

It is a project which use tweets data to extract the locations and time of tweets for each user to visualise them in Google Maps. This project expected to answer questions such as: where people tweets more and what could be the reason? What is the possibility to start a business in specific place mapped to the active movements of people there. For instance building a hotel due to large number of tweets coming from location during summer where there is no hotel.

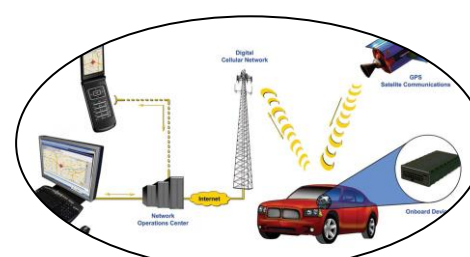| Twitter.com	Understand Data	Validation	Visulisation
Data Collection	pre-process Data	Data Extraction	
Download Tweets (UserID, Locations, Time, Data,ect)	Learn the structure of the data and the meaning of each input	Build new dataset with the target input data	Map the generated dataset to Google Maps to structure line time of tweets posted per locations.

Related Work

There have been set of work which used location sensors or GPS. Below examples are some of works done by some researchers on same subject:
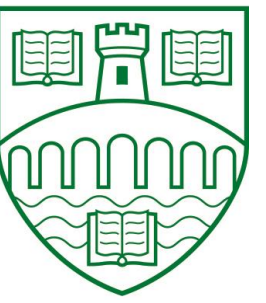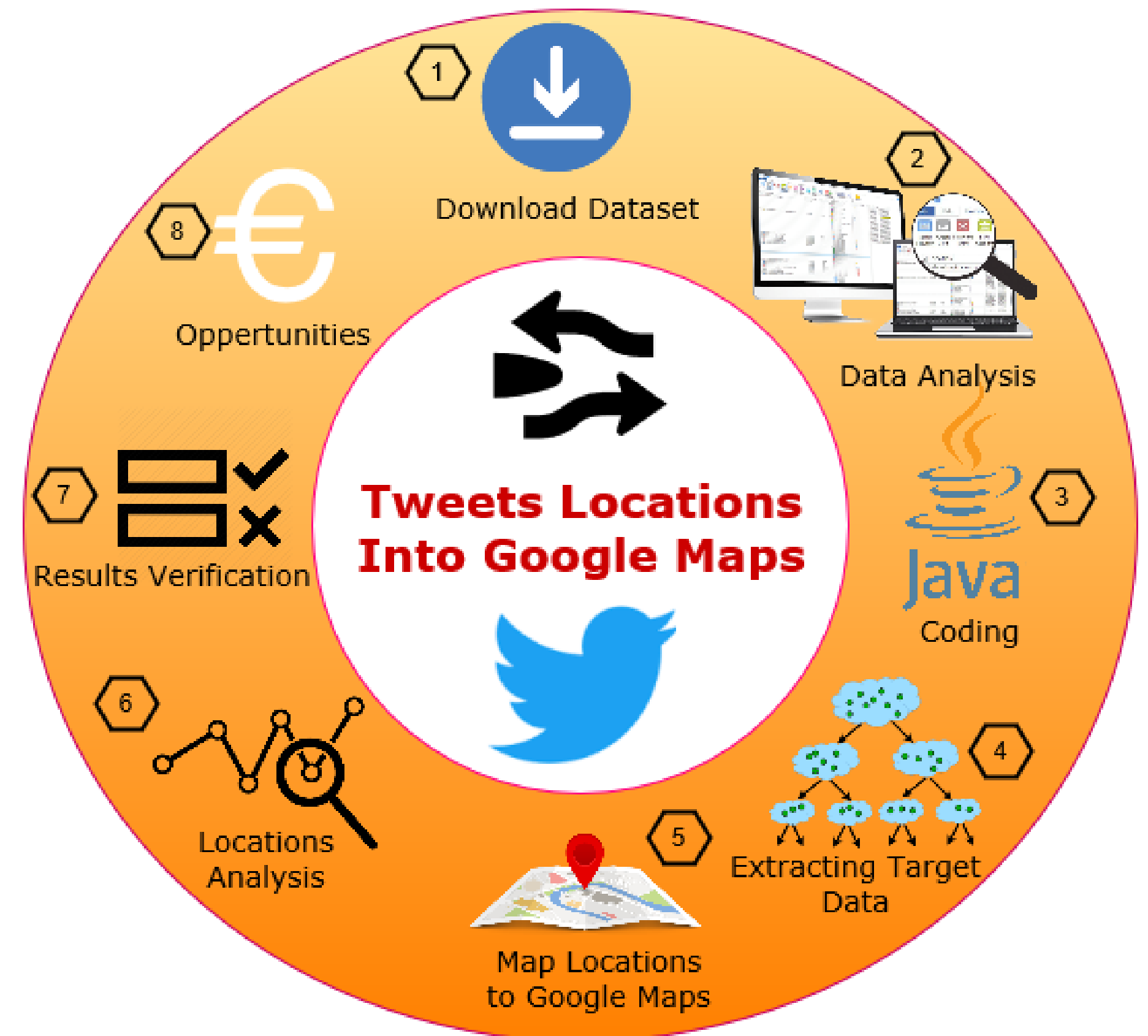

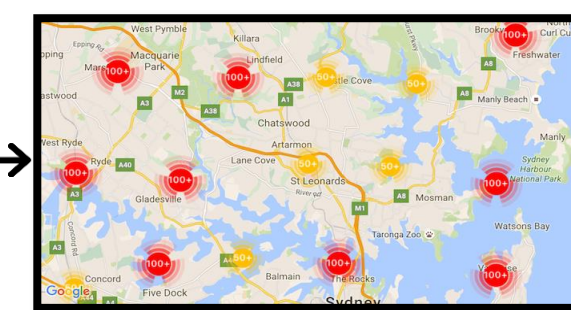**Animals**   **Vehicles**   **Persons**

Development Process

1 Download Dataset
2 Data Analysis
3 Java Coding
4 Extracting Target Data
5 Map Locations to Google Maps
6 Locations Analysis
7 Results Verification
8 Oppertunities

Tweets Locations Into Google Maps

Final Product

This project is expected to deliver a tool discover different opportunities for business, research, education, etc.

Dataset   **Filter Data**   **Visualization**