# Belong Data Engineer Coding Exercise

Expected artefacts

· Documentation - approach, architecture, etc.

Step by Step Approach:

1. Open URL to access data.
2. Downloaded data using Script fro API for Python on local drive (\*code attached in script)
3. Log on to AWS consol. Go to S3. Create a Bucket. Upload file from C: Drive.
4. Read data from S3 Bucket (\*code attached in script)

· Tests. – working with correct Keys and Passwords

· No notebooks please, prefer a script. - Done

· Command line to run the application in an AWS environment (or locally) with instructions.

From github download .py file. Save it on desktop. Go to command line. Cd to desktop.

Enter : python belongtest.py

· Submission - github/any open public repository preferred.

## Source DataPedestrian Counting System – 2009 to Present (counts per hour)

(https://data.melbourne.vic.gov.au/Transport/Pedestrian-Counting-System-2009-to-Present-counts-/b2ak-trbp)

https://data.melbourne.vic.gov.au/Transport/Pedestrian-Counting-System-Sensor-Locations/h57g-5234 (https://data.melbourne.vic.gov.au/Transport/Pedestrian-Counting-System-Sensor-Locations/h57g-5234)

## Extract StatsNeed to show contrived of expected outputs.

- Top 10 (most pedestrians) locations by day

- Top 10 (most pedestrians) locations by month## Load- Data into S3 in an appropriate format for future querying

Statistical data into an appropriate data store.