Python Jupyter Notebook

Cell 1:

- Import necessary libraries for processing (pandas, seaborn, matplotlib)

Cell 2:

- Import xlsx files into dataframe
- Delete unwanted columns
- Storing into a new dataframe the ERP of LGAs by year

Cell 3-4:

- Importing school files into dataframe
- Getting rid of unwanted LGAs
- Sorting by LGA name

Cell 5-8:

- Resetting indexes
- Deleting extra columns

Cell 9-10:

- Plotting No. of schools vs ERP by LGA using seaborn library

Cell 11:

- Bar plot for No. of schools and ERP in LGA

Cell 13-15:

- Importing Crime table from the xlsx file
- Processing and storing into a dataframe the Drug incident count by LGA in a year.
- Plotting between 2012 and 2017 to show difference in drug crime.

Cell 16-19:

- Plotting and finding correlations between different kind of schools and drug crime
- Also number of schools vs drug crime in an LGA

Cell 20:

- Change in Drug related crime is 25% up, between the years 2012 and 2017

Cell 21:

- Plots to show actual change in % of drug crime by LGA

Cell 26-32:

Not included in the report just extra research

- Relating to rise in population growth in the coming years.