Observing factors affecting greenhouse gas emissions in populated cities

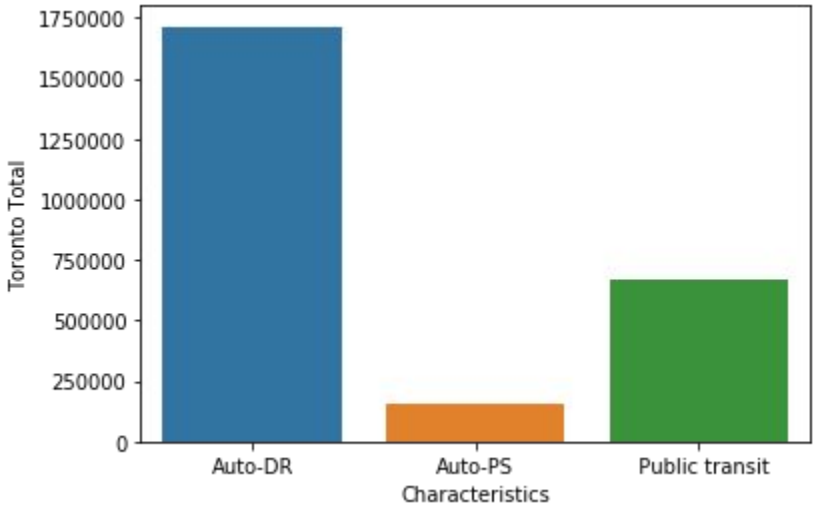
Knowing pollution data is useful for environmentalists

- If a city has lots of greenhoise gases being emitted, then this can be a good indicator about the pollution in that city and how it affects the people living there.
- Good for future generations, to let them have a cleaner environment
- Good for environment, reduction in pollution can help plant strive and thrive!

Data Gathering

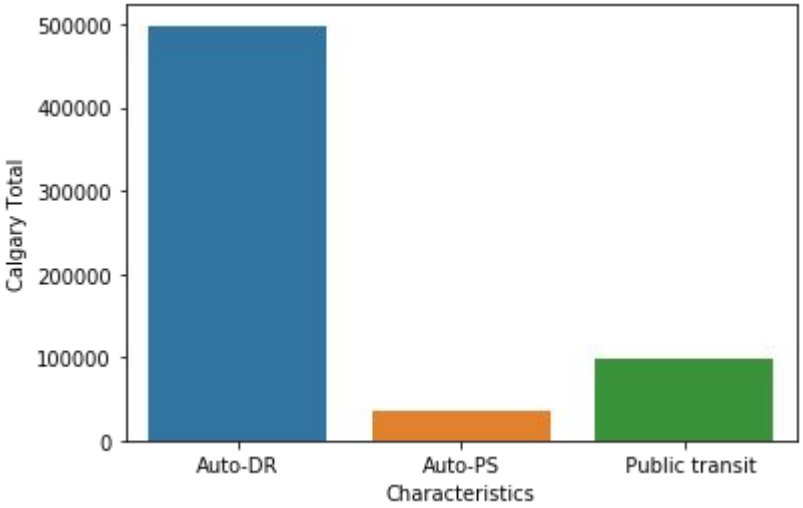
- Gathered data from various sources
- These include Wikipedia, and Government statistics
- Only data pertaining to on-road transportation was focused, rest were not given much attention
- Population was considered as Toronto and Calgary have quite a gap in terms of population.

Toronto mode of transport



Bar chart for Toronto: Amount of people using each respective mode of transport. DR means driver, PS- Passenger

Calgary mode of Transport



Bar chart for Calgary: Amount of people using each respective mode of transport. DR means driver, PS- Passenger

Emissions

- Toronto had more emissions than Calgary, but only differed by 300,000 tonnes when compared their populations which differ by about 4.5 million!
- The amount released by Toronto measured in metric tonnes was 6,285,080 while for Calgary it was 5,968,614. It was shown that the population of Toronto was almost 5 times greater than that of Calgary.

Conclusion

- Observed greenhouse gas emissions for Toronto and Calgary
- Criteria was analyzed based on
  - Mode of Transport to work
  - Greenhouse emissions for on-road transportation
  - Population
- More relationships to be examined and further improved
- This was preliminary research