**ETL Project Report**

This project is a demonstration of performing ETL (Extract, Transform, Load). The desired data is gun ownership, population and gun shootings by US state.

* **Extract**: Info on data sources and formatting

Multiple sources and formats were used in the initial stages of data collection. After working with the data from these sources many were ruled out because of being incomplete or unreliable data. The data for shootings and gunownership came from the Bureau of Alcohol, Tobacco, Firearms and Explosives as multiple csv downloads. The population data was read from a Wikipedia html table that was composed from census data.

* **Transform**: What data cleaning or transformation was required.

The data from csv and html was first transformed into pandas data-frames. Then unwanted columns were removed and desired columns were renamed. Some tables were grouped by State name and values counted. All columns were organized by State names before merging all data-frames together.

* **Load**: The final database and why this was chosen.

The final database is a fairly simple database. No values needed to match multiple values, therefore using postgresql was the best option.