**Database**

**What is a Database?**

A database is a collection of information that is organized so that it can be easily accessed, managed and updated.

Data is organized into rows, columns and tables, and it is indexed to make it easier to find relevant information. Data gets updated, expanded and deleted as new information is added. Databases process workloads to create and update themselves, querying the data they contain and running applications against it.[[1]](#endnote-1)

**Using SQLite 3**

For our project we used SQLite 3 as we were previously familiar with this software and we would be able to avoid any firewall issues.

We created code, using SQLAlchemy, that read data from manually created tables as well as code that created new tables from the information obtained via the census.

Further documentation on SQLite3 please visit <https://sqlitebrowser.org/>

**SQL Statements for creation of new Tables**

**Data Dictionary**

## Definition

A data dictionary is a set of information describing the contents, format, and structure of a database and the relationship between its elements, used to control access to and manipulation of the database.[[2]](#endnote-2)

1. <https://searchsqlserver.techtarget.com/definition/database> [↑](#endnote-ref-1)
2. Google Dictionary <https://www.google.com/search?q=what+is+a+data+dictionary&rlz=1C1GCEV_enUS848US848&oq=what+is+a+data+dictionary&aqs=chrome..69i57j0l5.7423j1j4&sourceid=chrome&ie=UTF-8> [↑](#endnote-ref-2)