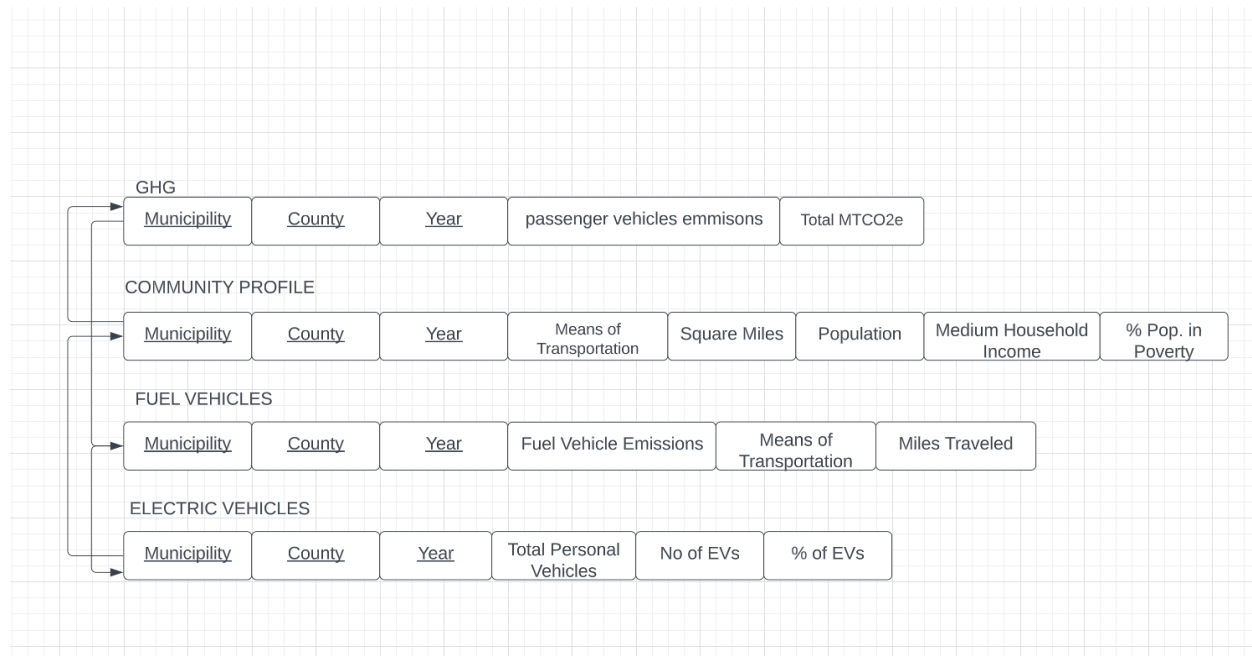


Schema:



Estimate database size and types and average number of searches:

- File - Electric vehicle ownership data
 - Municipality - assuming string length - 18 chars* 1byte = 18 bytes
 - County name - assuming string length - 14 chars* 1byte = 14bytes
 - Year - integer - 4 bytes
 - Total personal vehicles - integer - 4 bytes
 - Total number of Evs- integer - 4 bytes
 - Percent of Evs - can be double type - 8 bytes
 - Number of entries = 1130
 - **Rough size = 1130*(18+14+4+4+4+8)= 58,760 bytes**
- File - community profile data
 - Municipality - assuming string length - 18 chars* 1byte = 18 bytes
 - County name - assuming string length - 14 chars* 1byte = 14bytes
 - Year - integer - 4 bytes
 - Means of transportation - can be double r - 8 bytes
 - Square miles - 8 bytes
 - Population - 4 bytes
 - Median household income - 4 bytes
 - Percent pop in poverty - double - 8 bytes
 - Number of entries = 1130
 - **Rough size = 1130*(18+14+4+8+8+4+4+8)= 76,840 bytes**

- File - vehicles mile traveled GHG
 - Municipality - assuming string length - 18 chars* 1byte = 18 bytes
 - County name - assuming string length - 14 chars* 1byte = 14bytes
 - Year - integer - 4 bytes
 - Passenger vehicle emission - 4 bytes
 - Total MTCO₂e - 4 bytes
 - Number of entries = 1130
 - **Rough size = $1130*(18+14+4+4+4)= 49,720\text{bytes}$**
- File - community profile greenhouse
 - Municipality - assuming string length - 18 chars* 1byte = 18 bytes
 - County name - assuming string length - 14 chars* 1byte = 14bytes
 - Year - integer - 4 bytes
 - Means of transportation - can be double - 8 bytes
 - Miles traveled - 4 bytes
 - Fuel emissions -4 bytes
 - Number of entries = 1130
 - **Rough size = $1130*(18+14+4+8+4+4)= 58,760 \text{ bytes}$**