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| --- | --- | --- | --- | --- |
| Task | *~~(To Do)~~* Missed Functionality | In Process | To Verify | Done |
| Data Management Script | * \*\*If there was time; the data management script would be revisited in order to forcibly aggregate the data further by finding NULL/non-existent values and replacing them with a proper flag |  | * Verify that the code performs its main purpose and writes all the required information to the desired year file | * Finished creating the data management script * User has to input the year to parse for the file * All crime data is now separated into the respective year file * Taking in the crime data file * Parse the file contents based on year (by putting it into separate arrays (use egrep possibly) * Write each of the arrays into separate files using a universal naming notation |
| Query Engine |  |  |  | * Data tables containing violations, statistic and region data * Actual query search (Option 1) * Interface (Option 1) * Option 2 & 3 interface completed * Generalized field checking subroutine * Completed query suggestion system based on given “valid” input table * All needed tables for input verification created and are now taken into the file * Data finder subroutine complete |
| Graph Output Script | * Pie Graph Implementation * Multivariable graphing |  | * Change input files to match the right statistic (on query end) * Change file input names to match etc. | * Graphing scripts for all options done * Learning how to use R and using it to format a line graph, pie graph, bar graph * Crime Output format:   + “Violation”, “Year”, “Value(total violations, percentage of… etc)” |
| Table Output Script | * \*\*MISSED DUE TO DEADLINE |  |  |  |

Data Management Script: <https://codeshare.io/G8XX8J> - (DEMO VERSION AVAILABLE - SEE ZIP IN DRIVE)

Query Engine Script: <https://codeshare.io/2KWwl8> - (OUTDATED - SEE ZIP IN DRIVE)

General Graphing Script: <https://codeshare.io/5R7YwE>

Google drive link: <https://drive.google.com/drive/folders/0B_YeAhiGA-vCUmtEWjE2WVNmVk0?usp=sharing>