Reporting

Metro Nashville Davidson County Police Incidents

Via

Power Bi

(Instructional on how to recreate in Power Bi)

* Data Source: Data used for analysis comes from an excel file downloaded from Nashville Government’s Open Data Portal listed under their *Metro Nashville Police Department Incident Data* report page.
  + Webpage: https://data.nashville.gov/Police/Metro-Nashville-Police-Department-Incident-Data/we5n-wkcf
* The column *report\_type\_description* provides a text description based off the code within the column *report\_type*. The column *report\_type\_description* contained blank columns even though the column *report\_type* had no missing data. Therefore, I added a conditional column, titled *report\_type\_description2,* that entered a valid report type description for the code listed in column *report\_type.*. Afterwards, I deleted the column *report\_type\_description* and renamed *report\_type\_description2* to *report\_type\_description*.

Weapon\_primary code=16 is listed as unknown in the metadata but is listed as Unarmed in the actual data.

* Renamed column *offense\_description* to *offense\_nibrs\_description*
* victim\_gender ; blanks filled with ‘U’ for unknown
  + victim\_race ; blanks filled with ‘U’ for unknown
  + victim\_ethnicity ; blanks filled with ‘Unknown’
  + victim\_county\_resident; blanks filled with ‘U’ for unknown
* Added the suffix ‘code’ to any column that contains a code but does not list it in it’s column name OR added the suffix ‘description’ to any column that contains a description but does not list it in it’s column name
  + report\_type -> report\_type\_code
  + offense\_nibrs -> offense\_nibrs\_code
  + weapon\_primary -> weapon\_primary\_code
  + victim\_type -> victim\_type\_code
  + victim\_gender -> victim\_gender\_code
  + victim\_race -> victim\_race \_code
  + victim\_ethicity -> victim\_ethicity\_description
  + victim\_county\_resident -> victim\_county\_resident\_description
* Removed the following columns due to redundancy in data or not including data at all:
  + mapped\_location
  + mapped\_location\_address
  + mapped\_location\_city
  + mapped\_location\_state
  + mapped\_location\_zip
  + :@computed\_region\_3aw5\_2wv7
  + :@computed\_region\_b9k3\_hpc2
  + :@computed\_region\_gxvr\_9jxz
  + :@computed\_region\_p6sk\_2acq
  + :@computed\_region\_wvby\_4s8j
* The following columns were removed because they are Metro Nashville Police Department (MNPD) specific codes and therefore do not include a description. I believe they do not contain a description due to public safety, privacy, etc. reasons.
  + rpa
  + zone
* Added a conditional column titled *victim\_race\_code\_description* that adds descriptions for the codes in the column victim\_race\_code.
  + victim\_race\_code -> victim\_race\_code\_description
* Split the column *incident\_occured*, which contains date/time, into two separate date and time columns for reporting purposes.
  + incident\_occurred -> incident\_occurred \_date AND incident\_occurred \_time
* Split the column *incident\_reported*, which contains date/time, into two separate date and time columns for reporting purposes.
  + *incident\_reported* -> *incident\_reported* \_date AND *incident\_reported* \_time