What is Data Cleansing?

**Data cleansing** or **data cleaning** is the process of detecting and correcting (or removing) corrupt or inaccurate records from a record set, table, or **database** and refers to identifying incomplete, incorrect, inaccurate or irrelevant parts of the **data** and then replacing, modifying, or deleting the dirty or coarse **data**. [ Wikipedia]

Cleansing:

Crimes-in-chicago 2012-2017

1. Applied the filter ribbon.

Why am I conducting my analysis on Gun crimes? What’s the purpose of my analysis?

What type of data analysis will I be doing? Some different types are: Descriptive, exploratory, inferential, predictive, and casual. Now decide which ones and write about them briefly and why I have chosen to do them.

Aim to have all the datasets consistent with each other. I want to convert the raw data I have into “information useful for decision making by users. Data is collected and analysed to answer questions, test hypotheses or disprove theories”

**Project Data**

crimes-in-chicago: 2012-2017

federal-firearm-licences:

global-terrorism-db:

gun-deaths-in-the-us:

**gun-violence-data:**

gun-violence-ohio-2013-2018:

homicide-reports:

state-firearms:

California-crime-and-law-enforcement: Focusing on the crime rates and law enforcement employment data in the state of California.

I won’t need the employment rate. But I could compare the employment rates in different states and compare to the crime rate and see if this is a contributing factor to high crime rate

**1 MB = 1000 KB**

**1MB = 0.001 GB**

**KB, MB, GB**

**Bibliography**

**Case studies on gun crimes:** <https://www.emeraldinsight.com/action/doSearch?AllField=gun+crime&content=articlesChapters&pageSize=20&startPage=0>

**Cleansing data steps:**

<https://exceldashboardschool.com/clean-raw-data/>

**This set of raw data contains information from Bloomington Police Department cases, specifically it identified cases where officers have fired a gun at a suspect. From Data.gov.**

<https://catalog.data.gov/dataset/officer-involved-shootings-data>

link to info on crime from NCI library search

<http://eds.b.ebscohost.com/eds/resultsadvanced?vid=3&sid=01f4d5ef-cc03-48b1-b1bc-7be45b36175b%40sessionmgr120&bquery=(gun+AND+crime+AND+%22in%22+AND+america)&bdata=JkF1dGhUeXBlPWlwLGNvb2tpZSxzaGliJmNsaTA9RlQxJmNsdjA9WSZ0eXBlPTEmc2l0ZT1lZHMtbGl2ZSZzY29wZT1zaXRl>