

Environment affects human life in many aspects, from clothing to food and habits, humanity is cyclical like everything in the Biosphere.





## **OUR** TE A M



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## **Tools And Libraries Used**









## **Sourcing Data**







METROPOLITAN POLICE

Working together for a safer London

# **Data Cleaning**

#### **Redundant Data**

We removed redundant columns from both tables



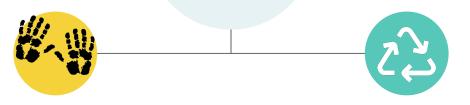
#### **Combine**

Cleaned Weather and Crime Databases



## **Dropped duplicates**

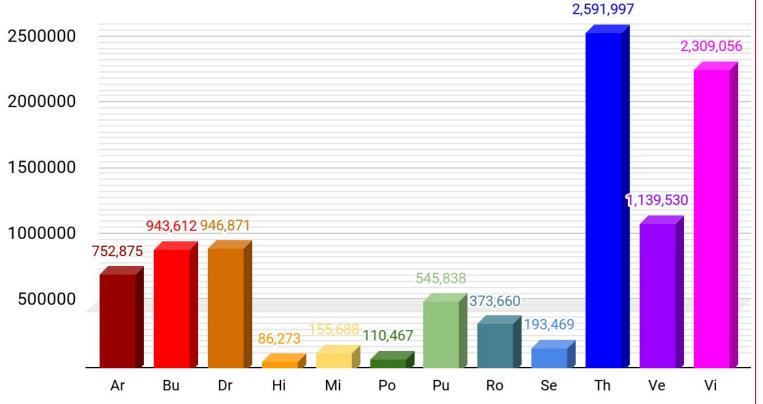
Rows with duplicate and null values



## **Ensure Reusability**

Renamed columns and reformatted

#### Sum of each crime from 2010 - 2021



**Ar -Arson and Criminal** 

**Damage** 

**Bu-Burglary** 

**Dr - Drug Offences** 

Hi - Historical Fraud and Forgery

Mi - Miscellaneous Crimes Against Society

Po - Possession of Weapons

Pu -Public Order Offences

**Ro -Robbery** 

**Se - Sexual Offences** 

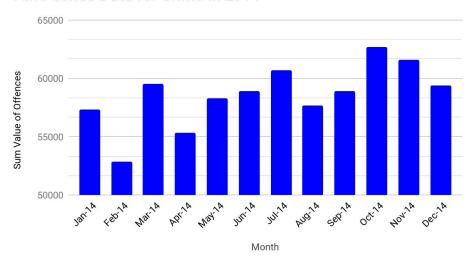
Th - Theft

**Ve - Vehicle Offences** 

Vi - Violence Against the Person

# **Exploring the Data**

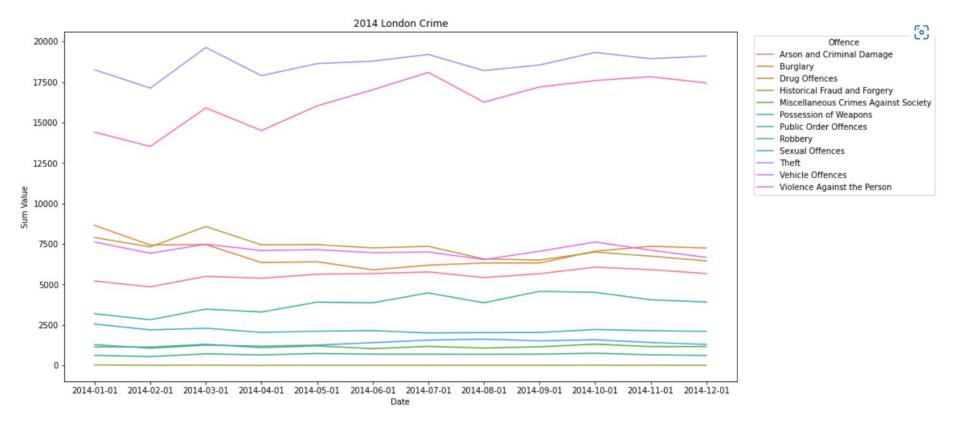
#### Time Series Data for Crime in 2014



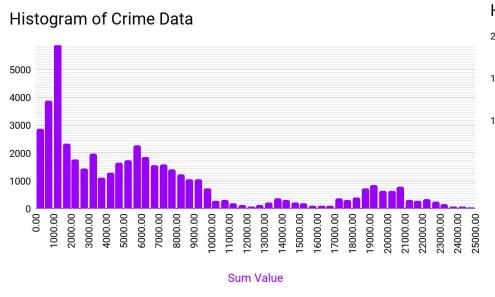
#### Time Series Data for Crime in 2017



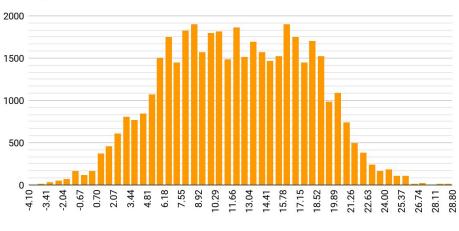
# **Exploring the Data**



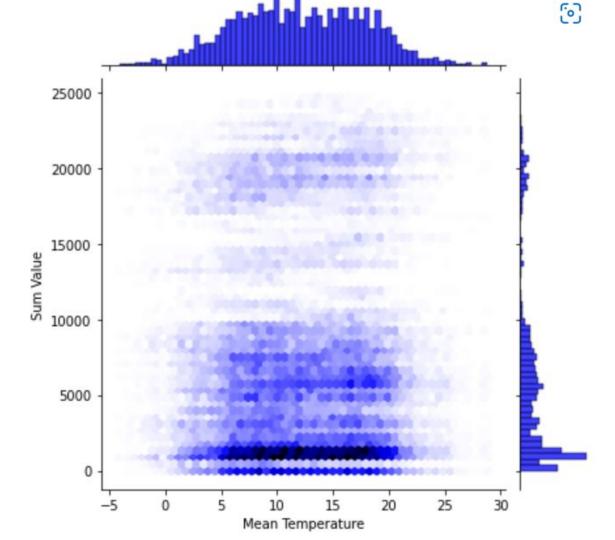
# Histogram plots of our data



#### Histogram of Mean Temperature



Mean Temperature



# The hypothesis that higher temperatures affect the crime levels in London is true?













