**Question**:

What story were you interested in?

**Response:**

I was interested in analyzing the occurrence and trend of the top five types of crimes based on reports logged by the City of Chicago and their trend over time and season (months).

**Question:**

What crime type did you pick and why?

**Response:**

The crime types I picked are:

* + Theft
  + Battery
  + Criminal Damage
  + Narcotics
  + Assault

These constituted over 65 percent of the 6,900,774 crimes reported as per the data we downloaded. The following summary provides relative occurrences of these crimes.

|  |  |  |
| --- | --- | --- |
| **Crime** | **Occurrences during the Entire Timeframe** | **Percent of Total** |
| Theft | 1,453,930 | 21.1 |
| Battery | 1,260,969 | 18.2 |
| Criminal Damage | 786,779 | 11.4 |
| Narcotics | 719,644 | 10.4 |
| Assault | 430,611 | 6.2 |
| **TOTAL** | **4,651,933** | **67.3** |

It is true that other categories of crime, chiefly homicide, though less in number have a higher degree of severity. However, the selection of the top five crimes was based entirely on the number of occurrences.

**Question:**

What is your inference? Show your plot

**Response:**

Following inferences were made based on the analysis:

* Most of the selected crimes take place during the time when clement weather conditions prevail (May through August)
* However, December and January show a much higher level of “thefts” compared to the other slow months; possibly triggered by the Holiday Season
* The five crimes have been showing a decreasing trend since 2001 which is the first year of the dataset

