

# Assignment 1 – Info Seeking

## Dataset 1: MARYLAND - Offenses Known to Law Enforcement, by State by City, 2013

### Data URL:

[https://ucr.fbi.gov/crime-in-the-u.s/2013/crime-in-the-u.s.-2013/tables/table-8/table-8-state-cuts/table\\_8\\_offenses\\_known\\_to\\_law\\_enforcement\\_maryland\\_by\\_city\\_2013.xls](https://ucr.fbi.gov/crime-in-the-u.s/2013/crime-in-the-u.s.-2013/tables/table-8/table-8-state-cuts/table_8_offenses_known_to_law_enforcement_maryland_by_city_2013.xls)

### APA Citation:

Table 8 - Maryland. (2014, November 3). Retrieved September 15, 2016, from [https://ucr.fbi.gov/crime-in-the-u.s/2013/crime-in-the-u.s.-2013/tables/table-8/table-8-state-cuts/table\\_8\\_offenses\\_known\\_to\\_law\\_enforcement\\_maryland\\_by\\_city\\_2013.xls](https://ucr.fbi.gov/crime-in-the-u.s/2013/crime-in-the-u.s.-2013/tables/table-8/table-8-state-cuts/table_8_offenses_known_to_law_enforcement_maryland_by_city_2013.xls)

### License:

No license available

### Summary:

This dataset provides statistics about the volume of violent and property crimes as reported by city and town law enforcement agencies for the year 2013. The FBI collects this data through the Uniform Crime Reporting (UCR) program. It is interesting to see the classification of the different kinds of crimes committed in the different cities of Maryland. This data can be very helpful for law agencies to determine patrolling measures and take preventive actions for the safety of the neighborhood.

### Potential Data-users and Decision-makers:

- 1) The general public that lives in or travels to different cities of Maryland
- 2) The law enforcement agencies to limit such incidences of crime
- 3) The print and television media to make people aware about such incidents

### Questions this data might help to answer:

- 1) This data can be used along with the data from other years to compare whether the instances of crimes have increased or reduced or remained the same over the years.
- 2) Considering the total incidences of crime, which neighborhood in Maryland is the safest to live and which one is the worst to live
- 3) Looking at the factor that contributes highest to the total crime incidences, people in a particular city can decide which safety measures are necessary for them and take appropriate measures

## **Dataset 2: H1-B\_Disclosure\_Data\_FY16**

### **Data URL:**

<https://www.foreignlaborcert.doleta.gov/performance/cfm>

[https://www.foreignlaborcert.doleta.gov/docs/Performance\\_Data/Disclosure/FY15-FY16/H-1B\\_FY16\\_Record\\_Layout.pdf](https://www.foreignlaborcert.doleta.gov/docs/Performance_Data/Disclosure/FY15-FY16/H-1B_FY16_Record_Layout.pdf)

### **APA Citation:**

OFLC performance data. (2016, August 3). Retrieved September 15, 2016, from <https://www.foreignlaborcert.doleta.gov/performance/cfm>

### **License:**

No license available. Publicly available data

### **Summary:**

The dataset is a summary of all the H1-B visas issued in the time period of October 1, 2015 - June 30, 2016. This data has been obtained from the OFLC website. The Office of Foreign Labor Certification (OFLC) generates program data that is essential both for internal assessment of program effectiveness and for providing the Department's external stakeholders with useful information about the immigration programs administered by OFLC. This dataset is particularly interesting because it gives a very good idea about the total number of H1-B applications filed in the given cycle and all the details associated with it. It helps to gain useful insights about all the different companies that apply for H1-B.

### **Potential Data-users and Decision-makers:**

- 1) The OFLC uses this data for internal assessment of program effectiveness
- 2) International students seeking full-time employment opportunities can use this data to make decisions about companies to apply for if they are interested in getting an H1-B
- 3) Companies that apply for H1-B visas for their employees can use this data for their own analysis

### **Questions this data might help to answer:**

- 1) What all companies apply for H1-B for which positions? What is the success rate for different companies?
- 2) What are the average pay scales of companies that apply for H1-B visas?
- 3) Is there a pattern followed while issuing visas or is it completely random i.e. do big companies hold an edge over smaller companies and startups or process is completely unbiased?

## **Dataset 3: San Francisco employee salary (2011-2014)**

### **Data URL:**

<https://www.kaggle.com/kaggle/sf-salaries>

### **APA Citation:**

Inc, K. (2016). *SF salaries*. Retrieved September 15, 2016, from <https://www.kaggle.com/kaggle/sf-salaries>

### **License:**

Public domain license

### **Summary:**

This data contains the names, job title, and compensation for San Francisco city employees on an annual basis from 2011 to 2014. I find this dataset interesting because it gives me a complete picture about the employment in San Francisco. Many people, mostly IT professionals, plan to settle down in San Francisco owing to the presence of IT companies and the pay packages offered. This particular dataset is of great help to them and will help them make an informed choice.

### **Potential Data-users and Decision-makers:**

- 1) People seeking employment opportunities in San Francisco
- 2) Government agencies like U.S. Bureau of Labor Statistics
- 3) Employment agencies looking to set up business in San Francisco

### **Questions this data might help to answer:**

- 1) Has the average salary of the entire city changed over the years from 2011 to 2014?
- 2) What are the different types of jobs available in San Francisco city and which positions pay the highest?
- 3) Are there ample part-time positions available? If yes, what is the median pay for such positions and how have the number of part time positions changed over the years?