

ASSIGNMENT 1 -INFO SEEKING

1. DATA SET ONE

1.1 Source

State-by-state and national crime estimates by year(s). (n.d.). Retrieved September 11, 2016, from <http://www.ucrdatatool.gov/Search/Crime/State/StatebyState.cfm>

1.2. Details of the license or terms of use

The data present in the website is public domain and no special permission seeking is required for accessing the data. Details of the same can be found at the US department of Justice Website.

<https://www.justice.gov/legalpolicies#copyright>

1.3 Description of Data set

The crime statistics is collected by FBI from various law enforcement agencies who had participated in the Uniform Crime Reporting Statistics Program. The dataset contains state wise crime rates of USA from the year 1960 to 2012. The data set shows the population of each state and also the number of crimes committed every year. The crime report includes data of 18 different types of crime segregated as violent crime (murder and non-negligent manslaughter, forcible rape, robbery, and aggravated assault) and property crime (burglary, larceny-theft, and motor vehicle theft). This type of data gives a clear indication of public safety and proper implementation of law enforcements. The intermittent rise and falls of crime numbers with respect to the rising population indicates at the success of various actions which law enforcement offices might have implemented during that time. The data can also effectively address if the percentage increase in crime rate has been uniform and if not then how such increment varied.

1.4. Users of the Data

Potential data user and decision makers for these data can be law enforcements agencies, state planning commission office and lawmakers, insurance companies understanding the trend of crime and various claims filed by victims of such crimes.

1.5. Questions answered by the data set

There are many questions that these data set can answer some of them are as follows.

- What is the increase in percentage crime rate over the period of time from 1960-2012.?
- Do states with similar population range have similar crime rates or do they differ?
- When there was a decrease in one crime rate was there any accompanying increment or decrement in crime rate of other types?

2. DATA SET TWO

2.1. Source

NTSB Aviation Accident Database & Synopses. (n.d.). Retrieved September 12, 2016, from http://www.nts.gov/_layouts/ntsb.aviation/index.aspx

2.2. Details of the license or terms of use

The data provided on National Transportation safety board website is not subjected to copyright and can be freely accessed. Details of the policy are in the website
<http://www.nts.gov/about/Policies/Pages/Policies.aspx>

2.3. Description of Data Set

The data collected by NTSB depicts various aviation accidents from 1948 to 2016. The data set gives detailed information about every accident including event date, location, airport, aircraft category .make and model, type of accident ,engines and fatal injuries .The data can be used to find repeated accidents in same location by similar aircraft models .

2.4. Users of the Data

There are many decision makers who will benefit from this data. They are aircraft designers, airport authorities. Pilots can also learn a great deal from this data including the type of possible errors in a given model or broad phase of flight.

2.5. Questions answered by the data set

Although the data set can be used to answer many types of statistical questions some of them are

- Which of the broad phase of flight error conditions has the highest possibility in a given weather condition.
- Which types of flight models are more prone to accidents?
- Which air carriers are having good track record in terms of less aviation accidents

3. DATA SET THREE

3.1. Source

World Development Report 2014. (2013, October 09). Retrieved September 11, 2016, from <http://data.worldbank.org/data-catalog/world-development-report-2014>

3.2 Details of the license or terms of use

The data set mentioned in the aforementioned link is made available by World Bank for creative purposes by downloading and sharing with third parties. World Development Report is not classified as restricted data. A detailed terms and conditions stating the use and license can be found at <http://web.worldbank.org/WBSITE/EXTERNAL/0,,contentMDK:22547097~pagePK:50016803~piPK:50016805~theSitePK:13,00.html> and <http://data.worldbank.org/summarytermsfuse>

3.3. Description of Data Set

The data set by World Bank consists of 10 tables, which includes 75 parameters related to management of risk in context of development. Each table consists of data from all the 133 countries. The parameters in the table consist of socio-economic, environmental and external factors like disasters, recessions, epidemics and life expectancies. As for a country's socio economic wellbeing many variables play an important role and are interrelated in nature; so is the case in this dataset, wherein to understand the relationship of every variable towards development of an economy , it's very important to understand how the statistical variation of one variable effects another.

3.4. Users of the Data

Potential data users and decision makers of this data can be government and law makers of these countries. MNCs who would like to invest in a developing economy with wide prospect good returns. There are many big charitable organizations that would like to see statistical decrease of illiteracy, hunger

and poverty and would like to study the positive impact their work is bringing in reducing such things and would also enable them to plan properly.

3.5. Questions answered by the data set

Questions which the dataset can answer are

- How the variable “number of years in recession” affects GDP growth in 2012?
- How countries with high adult literacy affect wage and salaried employees?
- Total number of recessions over the period of time and how it affects GDP of the country