# FUNDAMENTALS OF DATA ANALYTICS PROJECT REPORT

COURSE CODE: CSC3005

SLOT: E1+TE1

GitHub: <a href="https://github.com/Aravind2011/CRIME-">https://github.com/Aravind2011/CRIME-</a>

**DETECTION**.git

# **TEAM MEMBERS**

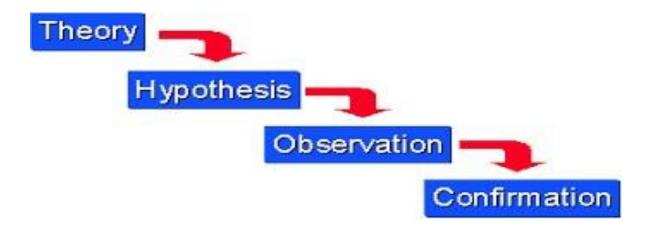
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**TOPIC** 

**CRIME DETECTION** 

# **DETECTIVE ANALYSIS**

Crime analysis is a law enforcement function that involves **systematic analysis for identifying and analyzing patterns and trends in crime and disorder**. Information on patterns can help law enforcement agencies deploy resources in a more effective manner, and assist detectives in identifying and apprehending suspects.



# **ABSTRACT**

Data mining can be used to model crime detection problems. Crimes are a social nuisance and cost our society dearly in several ways. Any research that can help in solving crimes faster will pay for itself. About 10% of the criminals commit about 50% of the crimes. Here we look at use of clustering algorithm for a data mining approach to help detect the crimes patterns and speed up the process of solving crime. We will look at k-means clustering with some enhancements to aid in the process of identification of crime patterns. We applied these techniques to real crime data from a sheriff's office and validated our results. We also use semi-supervised learning technique here for knowledge discovery from the crime records and to help increase the predictive accuracy. We also developed a weighting scheme for attributes here to deal with limitations of various out of the box clustering tools and techniques. This easy to implement data mining framework works with the geospatial plot of crime and helps to improve the productivity of the detectives and other law enforcement officers. It can also be applied for counter terrorism for homeland security

# **INTRODUCTION**

In most countries the detection of crime is the responsibility of the <u>police</u>, though special <u>law</u> enforcement agencies may be responsible for the discovery of particular types of crime (e.g., customs departments may be charged with combating <u>smuggling</u> and related offenses). Crime detection falls into three distinguishable phases: the discovery that a crime has been committed, the identification of a suspect, and the collection of sufficient evidence to indict the suspect before a <u>court</u>. Many crimes are discovered and reported by persons other than the police (e.g., victims or witnesses).

## MAIN PURPOSE OF CRIME DETECTION

The primary purpose of crime analysis is **to support** (i.e., assist) the operations of a police department. These functions include criminal investigation, apprehension, and prosecution;

patrol activities; crime prevention and reduction strategies; problem solving; and the evaluation and accountability of police efforts.



# HOW CAN WE SOLVE CRIME SCENES

- 1. Identify Scene Dimensions. Locate the focal point of the scene. ...
- 2. Establish Security. Tape around the perimeter. ...
- 3. Create a Plan & Communicate. Determine the type of crime that occurred. ...
- 4. Conduct Primary Survey. ...
- 5. Document and Process Scene. ...
- 6. Conduct Secondary Survey. ...
- 7. Record and Preserve Evidence.



# **Investigative techniques**

In seeking "indicators of suspicion" in investigations, suspects will need to have had:

- Motive to commit the crime (for example, financial gain or to seek revenge)
- Means to commit the crime (including tools and physical capabilities)
- Opportunity to commit the crime (including being at the crime scene at the time of the offence)

# **Types of Crime**

- (1) violent crime;
- (2) property crime;
- (3) white-collar crime;
- (4) organized crime;
- (5) consensual or victimless crime.

#### **Violent Crime**

Even if, as our earlier discussion indicated, the news media exaggerate the problem of violent crime, it remains true that violent crime plagues many communities around the country and is the type of crime that most concerns Americans. The news story that began this chapter reminds us that violent crime is all too real for too many people; it traps some people inside their homes and makes others afraid to let their children play outside or even to walk to school.



#### **Property Crime**

As noted earlier, the major property crimes are burglary, larceny, motor vehicle theft, and arson. These crimes are quite common in the United States and other nations and, as Table 8.1 "Number of Crimes: Uniform Crime Reports (UCR) and National Crime Victimization Survey (NCVS), 2010" indicated, millions occur annually in this country. Many Americans have installed burglar alarms and other security measures in their homes and similar devices in their cars and SUVs. While property crime by definition does not involve physical harm, it still makes us concerned, in part because it touches so many of us. Although property crime has in fact declined along with violent crime since the early 1990s, it still is considered a major component of the crime problem, because it is so common and produces losses of billions of dollars annually



#### White-Collar Crime

If you were asked to picture a criminal in your mind, what image would you be likely to think of first: a scruffy young male with a scowl or sneer on his face, or a handsome, middle-aged man dressed in a three-piece business suit? No doubt the former image would come to mind first, if only because violent crime and property crime dominate newspaper headlines and television newscasts and because many of us have been victims of violent or property crime. Yet white-collar crime is arguably much more harmful than street crime, both in terms of economic loss and of physical injury, illness, and even death.

What exactly is **white-collar crime**? The most famous definition comes from Edwin Sutherland (1949, p. 9), a sociologist who coined the term in the 1940s and defined it as "a crime committed by a person of respectability and high social status in the course of his occupation." Sutherland examined the behavior of the seventy largest US corporations and found that they had violated the law hundreds of times among them. Several had engaged in crimes during either World War I or II; they provided defective weapons and spoiled food to US troops and even sold weapons to Germany and other nations the United States was fighting.



## **Organized Crime**

**Organized crime** refers to criminal activity by groups or organizations whose major purpose for existing is to commit such crime. When we hear the term "organized crime," we almost automatically think of the so-called Mafia, vividly portrayed in the *Godfather* movies and other films, that comprises several highly organized and hierarchical Italian American "families." Although Italian Americans have certainly been involved in organized crime in the United States, so have Irish Americans, Jews, African Americans, and other ethnicities over the years. The emphasis on Italian domination of organized crime overlooks these other involvements and diverts attention from the actual roots of organized crime.



#### Organized crime

Definitions of what constitutes organized crime vary widely from country to country. Organized networks are typically involved in many different types of criminal activity spanning several countries.

These activities may include trafficking in humans, illicit goods, weapons and drugs, armed robbery, counterfeiting and money laundering.

Criminal groups - such as organized crime and unorganized form - having an increasing impact on the development of civil society, out of control of law enforcement and threaten the imposition of community norms and values of the criminal subculture.

# **Consensual Crime**

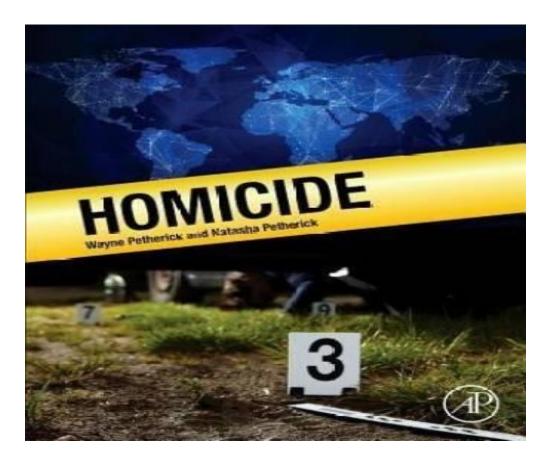
**Consensual crime** (also called *victimless crime*) refers to behaviors in which people engage voluntarily and willingly even though these behaviors violate the law.

Illegal drug use, discussed in "Alcohol and Other Drugs", is a major form of consensual crime; other forms include prostitution, gambling, and pornography. People who use illegal drugs, who hire themselves out as prostitutes or employ the services of a prostitute, who gamble illegally, and who use pornography are all doing so because they want to. These behaviors are not entirely victimless, as illegal drug users, for example, may harm themselves and others, and that is why the term *consensual crime* is often preferred over *victimless crime*. As just discussed, organized crime provides some of the illegal products and services that compose consensual crime, but these products and services certainly come from sources other than organized crime.

# 9 Types of criminal investigations

# 1. Homicide

Detectives in the homicide unit are responsible for investigating the killing of one person by another. They typically begin their investigation by assessing the scene of the incident, including collecting evidence, dusting for fingerprints, photographing the scene and exploring the surrounding area for potential witnesses to interview. Homicide detectives must be skilled at interviewing both witnesses and suspects to gather as much information as possible—this is challenging even with a willing witness, let alone one who is reluctant to speak out.



# 2. Cybercrimes

Many of the crimes that occur in the real world can also, unfortunately, take place online. These cybercrimes include identity theft, illegal firearms sales, online drug trafficking and online harassment. Cybercrimes can be tricky to investigate because they often take place across different jurisdictions, and their perpetrators can hide in anonymity behind their computer screens. Despite these challenges, these tech-savvy sleuths use technical analysis and electronic evidence to uncover the truth and bring justice for victims.



## 3. Forensic investigations

Many different types of crimes are investigated using forensics. The police detectives in this special unit scientifically analyze evidence from crime scenes to piece together the truth about what happened and who committed the crime. They work with DNA evidence such as hair or bodily fluids to help identify or eliminate possible suspects, and they use methods like ballistics examination and soil analysis to recreate the scene of the crime.



# 4. Fraud

Fraud occurs when someone intentionally uses false information to scam a person or company, usually for financial gain. There are many different types of fraud, and detectives

are needed to investigate all of them, including insurance fraud, identity theft, credit card fraud and forgery.

Detectives use their sleuthing skills to gather evidence proving that fraud has occurred and following a paper trail that leads to the culprit.



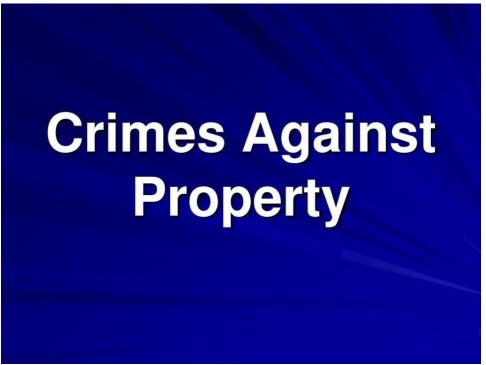
## 5. Family and sexual violence

Detectives in this unit specialize in any investigation related to domestic abuse, sexual assault and child abuse or neglect. These detectives interview victims and witnesses and gather forensic evidence to make a case against the perpetrator. These detectives often receive special training to help them assist victims in these complex cases, especially when violence or abuse has occurred between family members. Detectives involved with these investigations may also partner with other organizations that offer support to victims, such as social workers, counselors and safe houses for women and children.



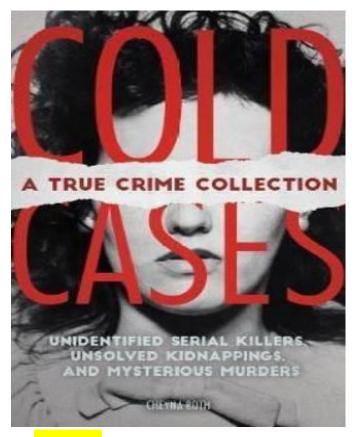
## 6. Crimes against property

This is a broad category that includes investigations of burglary, theft and vandalism. Detectives in crimes against property cases may not have many leads to help them, especially in situations where there were no witnesses. These detectives rely on gathering detailed reports from the property owner, sharp observation of evidence and canvassing the area to see whether anyone saw suspicious activity.



# 7. Cold cases

No detective wants to see a case go unsolved. Some detectives dedicate their work to these cold cases, reviewing past evidence, searching for new clues and using updated forensics technology so that justice can hopefully be served no matter how much time has passed. Cold cases that are reopened for investigation are often related to violent crimes like assault or homicide.



# 8. Narcotics

Narcotics detectives are responsible for investigating drug-related crimes. This includes smuggling, sales, the growing or production of drugs, and even the use of fraud to obtain prescription drugs illegally. These detectives may work undercover to break up a drug trafficking ring, or they may work on a smaller scale in order to curtail drug use in a particular neighborhood.



# 9. Gang violence

These detectives focus on ending violence between gangs in a particular city. Some of their investigations may overlap with narcotics cases, while others involve investigating offenders in gang-related crimes. Their goal is to promote safer neighborhoods and end violence, so some of their work is preventative, such as removing illegal firearms from the streets or patrolling areas that are known for violence.



# **CODING**

#include<iostream>
#include<string.h>
#include<iomanip>using
namespace std; class
vcrime

```
public:
 string sta, rape; int mur, acm, ch, acch;
vcrime(string state,int murder,int acommit,int
commit,int ach,string raped ){ sta=state;
mur=murder; acm=acommit; ch=commit;
acch=ach; rape=raped;
};
class pcrime
 public:
  int y, ps,pr,per; pcrime(int year,int prostolen,int
prorecover,int percentage) { y=year; ps=prostolen;
pr=prorecover; per=percentage;
};
class ccrime
```

```
{
 public:
           string ccat; int ccon;
ccrime(string ccategory,int cconvocation) {
ccat=ccategory;
ccon=cconvocation;
};
int main() { vcrime record[29] = { vcrime("Andhra"
,1175, 1540,
52, 1," 961"), vcrime("Arunachala", 86, 48, 4, 0
,"83"), vcrime("Assam", 1451, 1142, 57, 14," 1980"),
vcrime("Bihar", 3403, 4379, 201, 463, "1127"),
vcrime("Chhattisgarh", 998, 716, 29, 0, "1436"),
vcrime("Goa", 34, 42, 6, 0, "95"), vcrime("Gujarat"
,1124,756, 57,3,"841"), vcrime("Haryana", 1106,
783,65, 9, "1174"), vcrime("Himachal", 130, 63, 9, 0
","283"), vcrime("Kashmir", 156, 484, 18, 2, "331"),
vcrime("Jharkhand", 1658, 907, 59, 5, "1050"),
vcrime("Karnataka", 1636, 2225, 99, 85, "1324"),
```

```
vcrime("Kerala", 367, 676, 84, 1433, "1347"),
vcrime("Madhya Pradesh", 2274, 2439, 141, 72
","5076"), vcrime("Maharashtra", 2670, 2613, 171, 11
,"3438"), vcrime("Manipur", 96, 227, 5, 0,"75"),
vcrime("Meghalaya", 159, 115, 12, 0, "118"),
vcrime("Mizoram", 42,22, 6, 1, "120"),
vcrime("Nagaland", 58, 56, 3, 0, "30"), vcrime("Odisha",
1450, 2345, 32, 1, "1978"), vcrime("Punjab", 767, 864,
98, 46, "981"), vcrime("Rajasthan", 1637, 1794, 81, 182
","3759"), vcrime("Sikkim", 12, 14, 2, 0," 47"),
vcrime("TamilNadu", 1805, 2922, 50,0," 455"),
vcrime("Telangana", 1308, 1062, 123, 1," 979"),
vcrime("Tripura", 140, 79, 3, 0, "239"),
vcrime("UttarPradesh",5150, 5223,1412,506,"
3467"), vcrime("Uttarakhand", 218, 171, 38, 14, "270"),
vcrime("WestBengal", 2217, 7248, 342, 512," 1466")
};
pcrime precor[11]={pcrime(2004, 236170, 46947
```

```
,19.9), pcrime(2005,240900,57600,
23.9), pcrime(2006, 240395, 60723, 25.3),
pcrime(2007, 268078, 69655, 26.0),
pcrime(2008, 385296, 76815, 19.9),
pcrime(2009, 449501, 87611, 19.5),
pcrime(2010,626636, 180963,28.9),
pcrime(2011,658525, 122538,18.6),
pcrime(2012,2107194,141793,6.7),
pcrime(2013,1321931,176270,13.3),
pcrime(2014,751482,157552,21.0)
};
ccrime re[13]={ ccrime("Traffic Offenses
",43908), ccrime("Traffic Offenses —
DUI",59985), ccrime("Dangerous Drugs"
,57438), ccrime("Immigration",52128),
ccrime("Assault",31919), ccrime("Larceny
",15918), ccrime("Liquor",2313),
ccrime("Health / Safety", 1548),
ccrime("Homicide",1531),
```

```
ccrime("Commercialized Sexual
Offenses",995), ccrime("Sexual
Assault",3705), ccrime("Sex Offenses (Not
Assault or Commercialized Sex)",5033),
ccrime("Threat",847)
};
int z; string a,b,c,d,e,f,g; a="1. violent
crime"; b="2. property crime"; c="3.
white-collar crime"; d="4. organized
crime": e="5. consensual or victimless
crime";
~~~~"<<endl:
cout<<"******FUNDAMENTALS OF DATA
ANALYTICS******\n"<<endl;
cout<<"\t\tCOURSE CODE: CSC3005"<<endl;
cout<<"\t\tSLOT: E1+TE1\n"<<endl;
cout<<"****TEAM MEMBERS*****\n"<<endl;
cout<<"\t\tARAVIND- (20BCS0150)"<<endl;
```

cout << "\t\tELAVARASAN-(20BCS0163)" << endl; cout << "\t\tSANTHOSH-(20BCS0158)" << endl; cout<<"\t\tRAGHUL MOHANTHY(20BCS0165)\n"<<endl;  $cout << "*****TOPIC***** \backslash n" << endl; cout << " \backslash t \backslash t CRIME$ DETECTION\n"<<endl; collt<<"-----~~~~"<<endl; cout<<"DETECTIVE ANALYSIS" << endl; cout << "\tCrime analysis is a law enforcement function that involves systematic analysis for identifying and analyzing patterns and trends in crime and disorder. Information on patterns can help law enforcement agencies deploy resources in a more effective manner, and assist detectives in identifying and apprehending suspects."<<endl; ~~~~"<<endl; cout<<"ABSTRACT"<<endl; cout<<"\tData mining can be used to model crime detection problems. Crimes are a social nuisance and costour society dearly in several ways. Any research that

can help in solving crimes faster will pay for itself. About

10% of the criminals commit about 50% of the crimes. Here we look at use of clustering algorithm for a data mining approach to help detect the crimes patterns and speed up the process of solving crime. We will look at kmeans clustering with some enhancements to aid in the process of identification of crime patterns. We applied these techniques to real crime data from a sheriff's office and validated our results. We also use semi-supervised learning technique here for knowledge discovery from the crime records and to help increase the predictive accuracy. We also developed a weighting scheme for attributes here to deal with limitations of various out of the box clustering tools and techniques. This easy to implement data mining framework works with the geospatial plot of crime and helps to improve the productivity of the detectives and other law enforcement officers.It can also be applied for counter terrorism for homeland security"<<endl;

cout<<"	~~~~~	 ~~~~~	~~~~~	~~~~
~~~~	~~~~~	 ~~~~~	~~~~~	~~~~
~~~~	"< <endl;< td=""><td></td><td></td><td></td></endl;<>			

cout<<"MAIN PURPOSE OF CRIME

DETECTION" << endl; cout << "\t The primary purpose of crime analysis is to support (i.e., assist) the operations of

```
investigation, apprehension, and prosecution; patrol
activities; crime prevention and reduction strategies;
problem solving; and the evaluation and accountability of
police efforts. HOW CAN WE SOLVE CRIME
SC"<<endl;
collt<<"------
~~~~"<<endl: cout<<"CRIME
TYPES"<<endl;
cout << "\t" << a << endl;
cout << "\t" << b << endl;
cout << "\t" << c << endl;
cout << "\t" << d << endl;
cout << "\t'' << e << endl;
cout<<"-----
~~~~"<<endl; cout<<"ENTER THE CRIME
TYPE (1,2,3,4,5):"; cin>>z; if(z==1)
    cout << "you choose the crime type"
```

a police department. These functions include criminal

```
<<z<endl<<"\t\t\tEven if,
as our earlier discussion indicated, the news media
exaggerate the problem
of violent crime, it remains true that violent crime plagues
many communities around the country and is the type of
crime that most concerns Americans. The news story that
began this chapter reminds us that violent crime is all too
real for too many people; it traps some people inside their
homes and makes others afraid to let their children play
outside or even to walk to school."<<endl;
cout<<"*************
*****
commit murder"<<endl<<"\tCH=C.H not amouting
commit murder
"<endl<<"\tcchcommitCulpableHomicide"<<endl;
cout<<"-----
-----"<<endl:
cout<<"\t\t\t2014 RECORDS"<<endl;
    cout<<"-----
setw(14) << "state" << left << setw(13) << "murder" <<
left << setw(13)<< "Cm" << left << setw(15) << "CH"
```

```
<< left << setw(14) << " cch" << left << setw(13) <<
"Rape" << endl;
    cout<<"-----
-----"<<endl;
for (int i = 0; i \le 28; i++)
    cout << left<< setw(14) << record[i].sta<<left<<
setw(13) << record[i].mur<<left<< setw(13) <<
record[i].acm<< left<<setw(15) << record[i].ch<<left<<
setw(14) << record[i].acch<< left<<setw(13) <<
record[i].rape <<endl;</pre>
else if(z==2)
    cout << "you choose the crime type"
<<z<endl<<"\t\t\tAs noted
earlier, the major property crimes are burglary, larceny,
motor vehicle theft, and arson. These crimes are quite
common in the United States and other nations and, as
Table 8.1 "Number of Crimes: Uniform Crime Reports
```

(UCR) and National Crime Victimization Survey (NCVS), 2010" indicated, millions occur annually in this country. Many Americans have installed burglar alarms and other security measures in their homes and similar devices in their cars and SUVs. While property crime by definition does not involve physical harm, it still makes us concerned, in part because it touches so many of us. Although property crime has in fact declined along with violent crime since the early 1990s, it still is considered a major component of the crime problem, because it is so common and produces losses of billions of dollars annually"<<endl;

cout<<	"				
					e of
Property S	tolen &	Recovere	ed and	Percen	tage
Recovery D	uring 200	4-			
2014"< <end< td=""><td>1;</td><td></td><td></td><td></td><td></td></end<>	1;				
cout<	<"				
		"< <endl;< td=""><td></td><td>cout &lt;&lt;</td><td>left &lt;&lt;</td></endl;<>		cout <<	left <<
setw(10) <<	("year" -	<< left <<	setw(20	) << "pr	opertity
stolen" << 1	eft << set	tw(20)<< "j	property	recover"	<< left
<< setw(25)	<< "prop	erty recove	r percen	tage" <<	endl;
cout<<"					

```
------"<<endl;

for (int i = 0; i <= 10; i++)

{
    cout << left<< setw(10) << precor[i].y<<left<<
setw(20) << precor[i].ps<<left<< setw(20) <<
precor[i].pr<< left<<setw(30) << precor[i].per <<endl; }
}
else if(z==3)
{
```

cout << "you choose the crime type" <<z<endl<<"\t"<< c<<endl; cout<<"\t\t\t\tIf you were asked to picture a criminal in your mind, what image would you be likely to think of first: a scruffy young male with a scowl or sneer on his face, or a handsome, middle-aged man dressed in a three-piece business suit? No doubt the former image would come to mind first, if only because violent crime and property crime dominate newspaper headlines and television newscasts and because many of us have been victims of violent or property crime. Yet white-collar crime is arguably much more harmful than street crime, both in terms of economic loss and of physical injury, illness, and even death. What exactly is white-collar crime? The most famous definition comes from Edwin

common:"<<endl;

cout<<"-----

-----'<<endl; cout<<''\t\t\t•

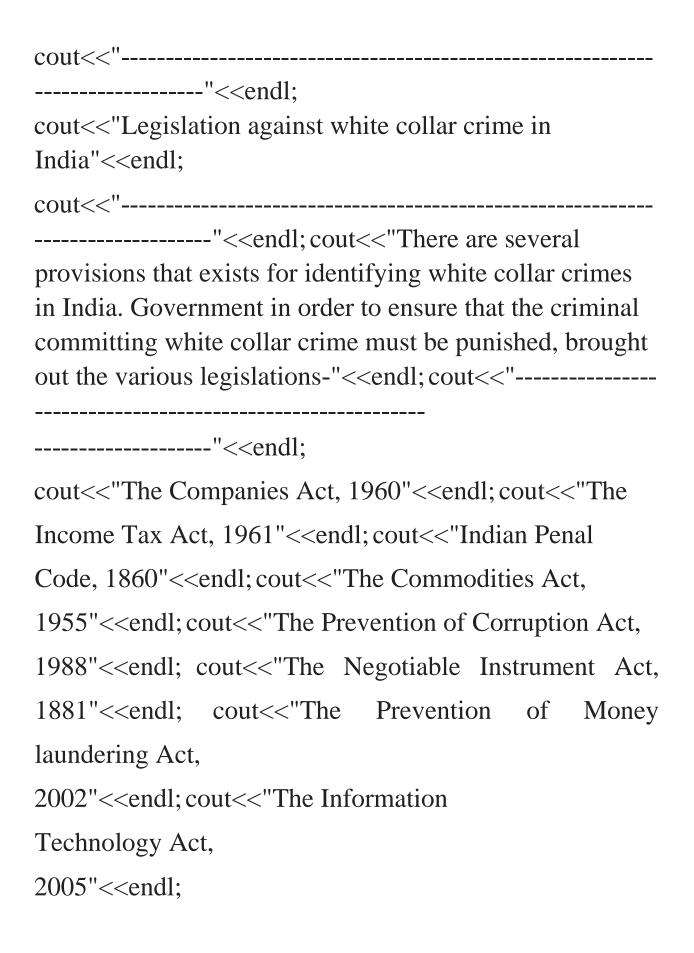
Corporate Fraud"<<endl; cout<<"\t\t\t•

 $Embezzlement" << endl; cout << "\t\t\t^{\bullet}$ 

Ponzi Schemes" << endl; cout << "\t\t\t-

Extortion" << endl; cout << "\t\t\t•

Bankruptcy Fraud" << endl;



```
cout << "The Imports and Exports (control) Act,
1950" << endl; cout << "The Special Court (Trial of
offences relation to Transactions in Securities) Act,
1992" << endl; cout << "The Central Vigilance
Commission Act, 2003"<<endl;
else if(z == 4)
    cout << "you choose the crime type"
<<z<<endl<<"\t"<< d<<endl;
cout<<"\t\t\tOrganized crime refers to criminal activity
by groups or organizations whose major purpose for
existing is to commit such crime. When we hear the
term "organized crime," we almost automatically think
of the so-called Mafia, vividly portrayed in the
Godfather movies and other films, that comprises
several highly organized and hierarchical Italian
American "families." Although Italian Americans have
certainly been involved in organized crime in the United
States, so have Irish Americans, Jews, African
Americans, and other ethnicities over the years. The
emphasis on Italian domination of organized crime
```

overlooks these other involvements and diverts attention
from the actual roots of organized crime."< <endl;< td=""></endl;<>
cout<<"
"< <endl;< td=""></endl;<>
cout<<"Mumbai underworld"< <endl;< td=""></endl;<>
cout<<"
''< <endl;< td=""></endl;<>
cout<<"The Mumbai underworld, also known as the Bombay underworld, refers to the organised crime network in the city of Mumbai, in the state of Maharashtra in India. Mumbai is the largest city of India and its financial capital. Over a period of time, the Mumbai underworld has been dominated by several different groups and mobsters."< <endl;< td=""></endl;<>
"< <endl;< td=""></endl;<>
cout<<"Activities"< <endl; cout<<"<="" td=""></endl;>
"< <endl; a="" also="" and="" cout<<"india="" crescent="" en="" europe.="" experts<="" for="" from="" golden="" grower="" heroin="" india="" is="" largest="" legal="" major="" of="" opium;="" point="" route="" td="" the="" to="" transit="" triangle="" world's=""></endl;>

estimate that 5–10% of the legal opium is converted into illegal heroin, and 8–10% is consumed in high quantities as concentrated liquid. The pharmaceutical industry is also responsible for much illegal production of mandrax, much of which is smuggled into South Africa. Diamond smuggling via South Africa is also a major criminal activity, and diamonds are sometimes used to disguise shipments of heroin. Finally, there is much money laundering in the country, mostly through the use of the traditional hawala system, although India criminalised money laundering in

2003.[28] [29]"<<endl;

cout<<"
"< <endl; cout<<"popular<="" td=""></endl;>
culture"< <endl;< td=""></endl;<>
cout<<"
''< <endl;< td=""></endl;<>

cout<<"In the cinema of India, particularly Bollywood, crime films and gangster films inspired by organised crime in India have been produced since 1940. Indian cinema has several genres of such crime films"<<endl;

```
cout<<"-----
------<<endl:
cout << "decoit films" << endl:
cout<<"-----
cout<<"\t\t\tThe dacoit film was a
film n' < endl;
genre of Indian cinema that began with Mehboob Khan's
Aurat (1940) and gained popularity with its remake
Mother
India (1957) as well as Dilip Kumar's Gunga Jumna
(1961). A subgenre is the Dacoit Western, popularized
by Sholay (1975). These films are usually set in rural
India, and often inspired by real dacoits."<<endl;
cout << "Examples of the genre:" << endl;
cout<<"\t\tMother India (1957)"<<endl;
cout<<"\t\t\tGunga Jumna (1961)"<<endl;
cout << "\t\t\Sholay (1975)" << endl;
cout<<"\t\t\tBandit Queen (1994)"<<endl;
   cout<<"-----
-----'<<endl;
cout<<"Mumbai underworld films"<<endl;
cout<<"\t\t\tExamples of the Mumbai underworld
film genre:"<<endl; cout<<"\t\t\tZanjeer
```

```
cout<<"-----
-----"<<endl:
(1973)"<<endl; cout<<"\t\t\tDeewaar
(1975)"<<endl; cout<<"\t\t\Don franchise (1978–
2012)"<<endl; cout<<"\t\t\tNayakan
(1986)"<<endl; cout<<"\t\t\tSalaam Bombay!
(1988)"<<endl; cout<<"\t\t\tParinda
(1989)" << endl; cout << "\t\t\Baashha
(1995)"<<endl; cout<<"\t\t\stSatya (1998)"<<endl;
cout<<"-----
Raj films"<<endl;
cout<<"-----
-----"<<endl;
cout<<"Gangs of Wasseypur (film series)"<<endl;</pre>
cout << "Amaran (1992)" << endl; cout << "" << endl;
cout<<""<<endl;
cout<<"Andhra Pradesh factionalism films"<<endl;
cout<<"-----
-----"<<endl:
```

```
-----"<<endl:
cout<<"Samarasimha Reddy (1999)"<<endl;
cout<<"Indra (2002 film) (2002)"<<endl; cout<<"Rakta
Charitra (2010)" << endl; cout << "Aravinda Sametha Veera
Raghava (2018)"<<endl;
else if(z==5)
    cout << "you choose the crime type"
<<z<<endl<<"\t"<< e<<endl;
cout<<"\t\t\tConsensual crime (also called victimless
crime) refers to behaviors in whichpeople engage
voluntarily and willingly even though these behaviors
violate the law.Illegal drug use, discussed in "Alcohol
and Other Drugs", is a major form of consensual crime;
other forms include prostitution,
```

gambling, and pornography. People who use illegal drugs, who hire themselves out as prostitutes or employ the services of a prostitute, who gamble illegally, and who use pornography are all doing so because they want to. These behaviors are not entirely victimless, as illegal drug users, for example, may harm themselves and others, and that is why the term consensual crime is often preferred over victimless crime. As just discussed, organized crime provides some of the illegal products and services that compose consensual crime, but these products and services certainly come from sources other than organized crime."<<end);

cout<<"
"< <endl;< td=""></endl;<>
cout<<" FY 2017 Total ERO Administrative Arrests Criminal Convictions"< <endl;< td=""></endl;<>
cout<<""< <endl; <<="" cout="" left="" setw(50)<="" td=""></endl;>
<pre>"Criminal Category" &lt;&lt; left &lt;&lt; setw(50) &lt;&lt; "Criminal Convictions" &lt;<endl;< pre=""></endl;<></pre>
cout<<"

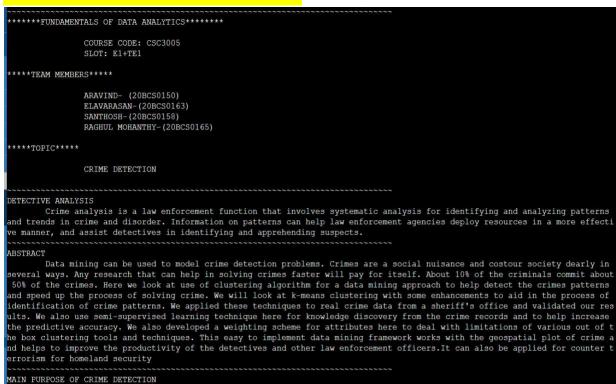
```
-----"<<endl;
for (int i = 0; i \le 12; i++)
  cout << left<< setw(50) <<
re[i].ccat<<left<< setw(50) <<
re[i].ccon<<endl;
   cout<<"please give correct
option(numbers only"<<endl;
 cout<<"-----
-----"<<endl;
~~~~"<<endl;
 cout<<"-----
```

cout<<"conclusion"<<endl; cout<<"conclusion"<<endl; cout<<"\t\t\tTo conclude, I strongly believe that once a criminal, not always a criminal. If one has regret about his past and has changed himself, one should be treated like a normal human being. Furthermore, they could

help teenagers from crime while telling them about their sacrifices of time, health and family."<<endl;

}

# **OUTPUT SCREENSHOTS**



MAIN PURPOSE OF CRIME DETECTION

The primary purpose of crime analysis is to support (i.e., assist) the operations of a police department. These funct ions include criminal investigation, apprehension, and prosecution; patrol activities; crime prevention and reduction strategi es; problem solving; and the evaluation and accountability of police efforts.HOW CAN WE SOLVE CRIME SC

CRIME TYPES

- 1. violent crime
- 2. property crime
- 3. white-collar crime
- 4. organized crime
- 5. consensual or victimless crime

ENTER THE CRIME TYPE (1,2,3,4,5):1 you choose the crime type1

1. violent crime

Even if, as our earlier discussion indicated, the news media exaggerate the problem of violent crime, it remains true that violent crime plagues many communities around the country and is the type of crime that most concerns Ame ricans. The news story that began this chapter reminds us that violent crime is all too real for too many people; it traps som e people inside their homes and makes others afraid to let their children play outside or even to walk to school.

cm-commit murder

CH=C.H not amouting commit murder

cch-commitCulpableHomicide

		2014 RECORD	S			
state	murder	Cm	CH	cch	Rape	
Andhra	1175	1540	52	1	961	
Arunachala	86	48	4	0	83	
Assam	1451	1142	57	14	1980	
Bihar	3403	4379	201	463	1127	
Chhattisgarh	998	716	29	0	1436	
Goa	34	42		0	95	
Gujarat	1124	756	57	3	841	

Haryana	1106	783	65	9	1174
Himachal	130	63	9	0	283
Kashmir	156	484	18	2	331
Jharkhand	1658	907	59	5	1050
Karnataka	1636	2225	99	85	1324
Kerala	367	676	84	1433	1347
Madhya Prade	sh2274	2439	141	72	5076
Maharashtra	2670	2613	171	11	3438
Manipur	96	227	5		75
Meghalaya	159	115	12		118
Mizoram	42	22	6	1	120
Nagaland	58	56	3		30
Odisha	1450	2345	32	1	1978
Punjab	767	864	98	46	981
Rajasthan	1637	1794	81	182	3759
Sikkim	12	14	2	0	47
TamilNadu	1805	2922	50		455
<b>Telangana</b>	1308	1062	123	1	979
Tripura	140	79	3		239
UttarPradesh	5150	5223	1412	506	3467
Uttarakhand	218	171	38	14	270
WestBengal	2217	7248	342	512	1466

ENTER THE CRIME TYPE (1,2,3,4,5):2 you choose the crime type2

2. property crime

As noted earlier, the major property crimes are burglary, larceny, motor vehicle theft, and arson. The se crimes are quite common in the United States and other nations and, as Table 8.1 "Number of Crimes: Uniform Crime Reports UCR) and National Crime Victimization Survey (NCVS), 2010" indicated, millions occur annually in this country. Many Americans have installed burglar alarms and other security measures in their homes and similar devices in their cars and SUVs. While property crime by definition does not involve physical harm, it still makes us concerned, in part because it touches so many of a substitution of the crime has in fact declined along with violent crime since the early 1990s, it still is considered a major component of the crime problem, because it is so common and produces losses of billions of dollars annually

\_\_\_\_\_\_

year	propertity stolen	property recover	property recover percentage
2004	236170	46947	19
2005	240900	57600	23
2006	240395	60723	25
2007	268078	69655	26
2008	385296	76815	19
2009	449501	87611	19
2010	626636	180963	28
2011	658525	122538	18
2012	2107194	141793	6
2013	1321931	176270	13
2014	751482	157552	21

ENTER THE CRIME TYPE (1,2,3,4,5):3

you choose the crime type3

3. white-collar crime

If you were asked to picture a criminal in your mind, what image would you be likely to think of first: a scruffy young male with a scowl or sneer on his face, or a handsome, middle-aged man dressed in a three-piece business suit? No doubt the former image would come to mind first, if only because violent crime and property crime dominate newspaper headlines and television newscasts and because many of us have been victims of violent or property crime. Yet white-collar crime is arguably much more harmful than street crime, both in terms of economic loss and of physical injury, illness, and even deat h. What exactly is white-collar crime? The most famous definition comes from Edwin Sutherland (1949, p. 9), a sociologist who coined the term in the 1940s and defined it as "a crime committed by a person of respectability and high social status in the course of his occupation." Sutherland examined the behavior of the seventy largest US corporations and found that they had vio lated the law hundreds of times among them. Several had engaged in crimes during either World War I or II; they provided defective weapons and spoiled food to US troops and even sold weapons to Germany and other nations the United States was fighting.

There are many types of white-collar crimes, but the following are the most common:

1 11

- · Corporate Fraud
- Embezzlement
- · Ponzi Schemes
- Extortion
- · Bankruptcy Fraud

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Legislation against white collar crime in India

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There are several provisions that exists for identifying white collar crimes in India. Government in order to ensure that the criminal committing white collar crime must be punished, brought out the various legislations-

Legislation against white collar crime in India

There are several provisions that exists for identifying white collar crimes in India. Government in order to ensure that the criminal committing white collar crime must be punished, brought out the various legislations—

The Companies Act, 1960
The Income Tax Act, 1961
Indian Penal Code, 1860
The Commodities Act, 1955
The Prevention of Corruption Act, 1988
The Negotiable Instrument Act, 1881
The Prevention of Money laundering Act, 2002
The Information Technology Act, 2005
The Imports and Exports (control) Act, 1950
The Special Court (Trial of offences relation to Transactions in Securities) Act, 1992
The Central Vigilance Commission Act, 2003

ENTER THE CRIME TYPE (1,2,3,4,5):4 you choose the crime type4

4. organized crime

Organized crime refers to criminal activity by groups or organizations whose major purpose for existin g is to commit such crime. When we hear the term "organized crime," we almost automatically think of the so-called Mafia, vivi dly portrayed in the Godfather movies and other films, that comprises several highly organized and hierarchical Italian Americ an "families." Although Italian Americans have certainly been involved in organized crime in the United States, so have Irish Americans, Jews, African Americans, and other ethnicities over the years. The emphasis on Italian domination of organized crime e overlooks these other involvements and diverts attention from the actual roots of organized crime.

Mumbai underworld

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The Mumbai underworld, also known as the Bombay underworld, refers to the organised crime network in the city of Mumbai, in th e state of Maharashtra in India. Mumbai is the largest city of India and its financial capital. Over a period of time, the Mum bai underworld has been dominated by several different groups and mobsters.

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Activities

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India is a major transit point for heroin from the Golden Triangle and Golden Crescent en route to Europe. India is also the world's largest legal grower of opium; experts estimate that 5-10% of the legal opium is converted into illegal heroin, and 8-10% is consumed in high quantities as concentrated liquid. The pharmaceutical industry is also responsible for much illegal production of mandrax, much of which is smuggled into South Africa. Diamond smuggling via South Africa is also a major criminal a ctivity, and diamonds are sometimes used to disguise shipments of heroin. Finally, there is much money laundering in the count ry, mostly through the use of the traditional hawala system, although India criminalised money laundering in 2003.[28] [29]

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Popular culture

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ropular curture		
	particularly Bollywood, crime films and gangster films inspired by organised crime in India have been ian cinema has several genres of such crime films	
decoit films		
Main article: Dacoit film	m	
pularity with its remake pularized by Sholay (197 Examples of the genre:	The dacoit film was a genre of Indian cinema that began with Mehboob Khan's Aurat (1940) and gained po Mother India (1957) as well as Dilip Kumar's Gunga Jumna (1961). A subgenre is the Dacoit Western, po 5). These films are usually set in rural India, and often inspired by real dacoits.  Mother India (1957) Gunga Jumna (1961) Sholay (1975) Bandit Queen (1994)	
Mumbai underworld films		
	Examples of the Mumbai underworld film genre: Zanjeer (1973) Deewaar (1975) Don franchise (1978-2012) Nayakan (1986) Salaam Bombay! (1988) Parinda (1989)	
	Baashha (1995) Satya (1998)	
Mafia Raj films		
Gangs of Wasseypur (1 Amaran (1992)	film series)	
Andhra Pradesh factio	onalism films	
Samarasimha Reddy (19 Indra (2002 film) (20 Rakta Charitra (2010) Aravinda Sametha Veer	002)	

```
ENTER THE CRIME TYPE (1,2,3,4,5):5
you choose the crime type5
       5. consensual or victimless crime
                       Consensual crime (also called victimless crime) refers to behaviors in whichpeople engage voluntarily
and willingly even though these behaviors violate the law.Illegal drug use, discussed in "Alcohol and Other Drugs", is a major
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d crime provides some of the illegal products and services that compose consensual crime, but these products and services cert
ainly come from sources other than organized crime.
FY 2017 Total ERO Administrative Arrests Criminal Convictions
Criminal Category
                                                  Criminal Convictions
Traffic Offenses
                                                         43908
                                               59985
Traffic Offenses - DUI
Dangerous Drugs
                                                  57438
Immigration
                                                  52128
Assault
                                                  31919
Larceny
                                                  15918
Liquor
Health / Safety
                                                  1548
Homicide
Commercialized Sexual Offenses
                                                  995
Sexual Assault
```

```
Types of criminal investigations
                       Homiside
                       cyber crimes
                       Forensic investigations
                       Fraud
                       Family and sexual violence
                       Crimes against property
                       Cold cases
                       Narcotics
                       Gang violence
conclusion
                       To conclude, I strongly believe that once a criminal, not always a criminal. If one has regret about h
is past and has changed himself, one should be treated like a normal human being. Furthermore, they could help teenagers from
crime while telling them about their sacrifices of time, health and family.
.. Program finished with exit code 0
Press ENTER to exit console.
```

# Conclusion

To conclude, **I strongly believe that once a criminal, not always a criminal**. If one has regret about his past and has changed himself, one should be treated like a normal human being.

Furthermore, they could help teenagers from crime while telling them about their sacrifices of time, health and family.