NAME :- RONAK KUMAR
ROLL NO :- 2015080

A1)

INFERENCES :-

Boston Police (@bostonpolice)

The number of retweets done by Boston Police are very less and almost every tweet is original. Most of the tweets contain images and other media apart from text.
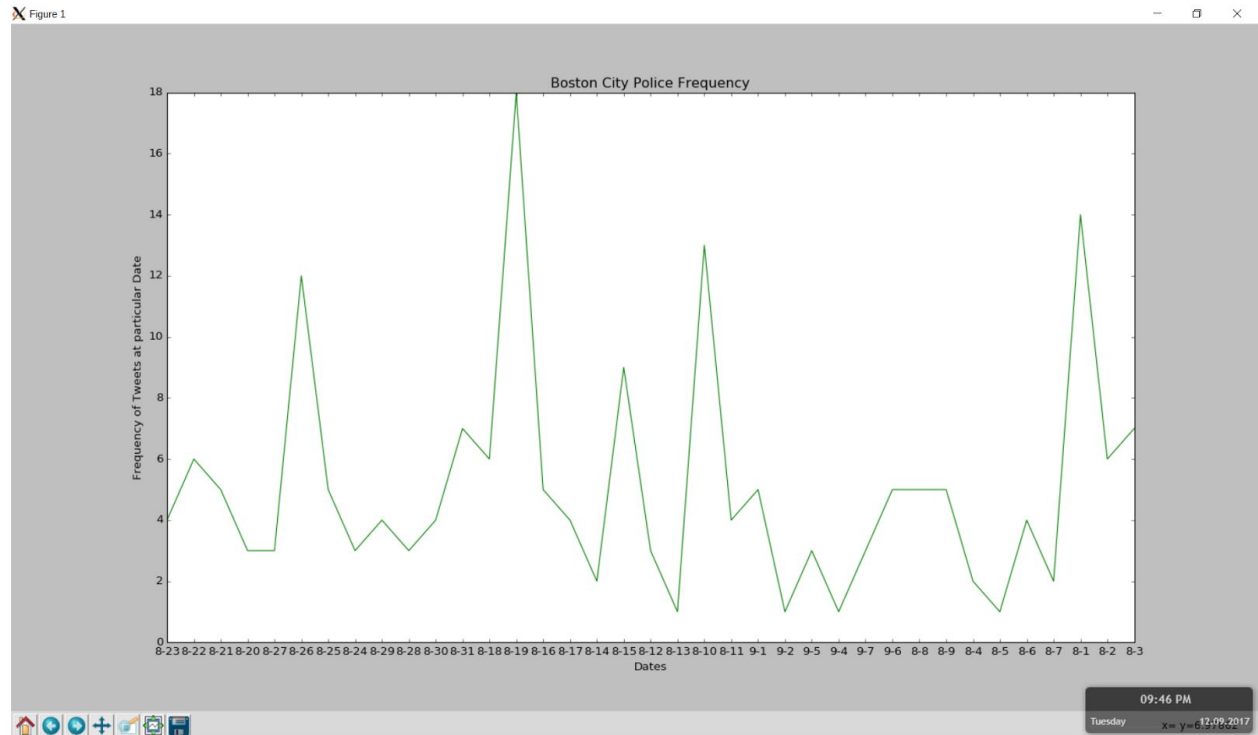
Bengaluru City Police (@BlrCityPolice)

The number of retweets done by Bengaluru City Police are very large in number and mostly tweets on their page are retweets. Most of the tweets contain images and other media like videos, links to news articles etc.
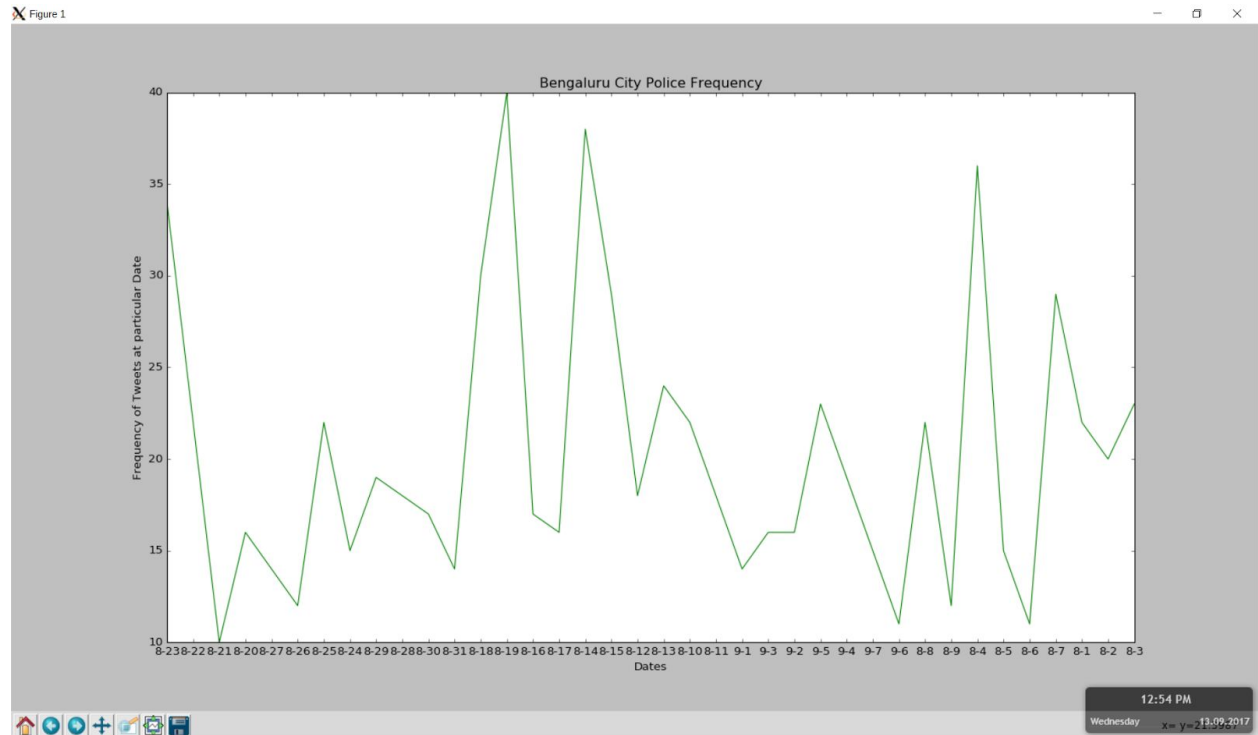
A2 a)

INFERENCES & GRAPHS :-

Boston Police (@bostonpolice)

Frequency of Tweeting is high during 1, 2, 10, 18, 19, 26 and 27th August, The frequency is low in September month as compared to August tweets. Most tweets are done on 18th, 19th August because the Commissioner of Boston Police Evans had to give a recap of events. Also, there were additional tweets related to arrest of criminals and people fighting with the police. The frequency is also high during 1st, 2nd August because the hashtag #KeepingBostonSafe spreaded awareness among the citizens and was used a lot. 26th and 27th August day was tweeted very much because of the hashtag #OneLessGun that informed the citizens that we have mobbed down the use of ammunition among terrorists. 10th August had a lot of criminal activities in Boston that day that's why very large amount of tweets were done.

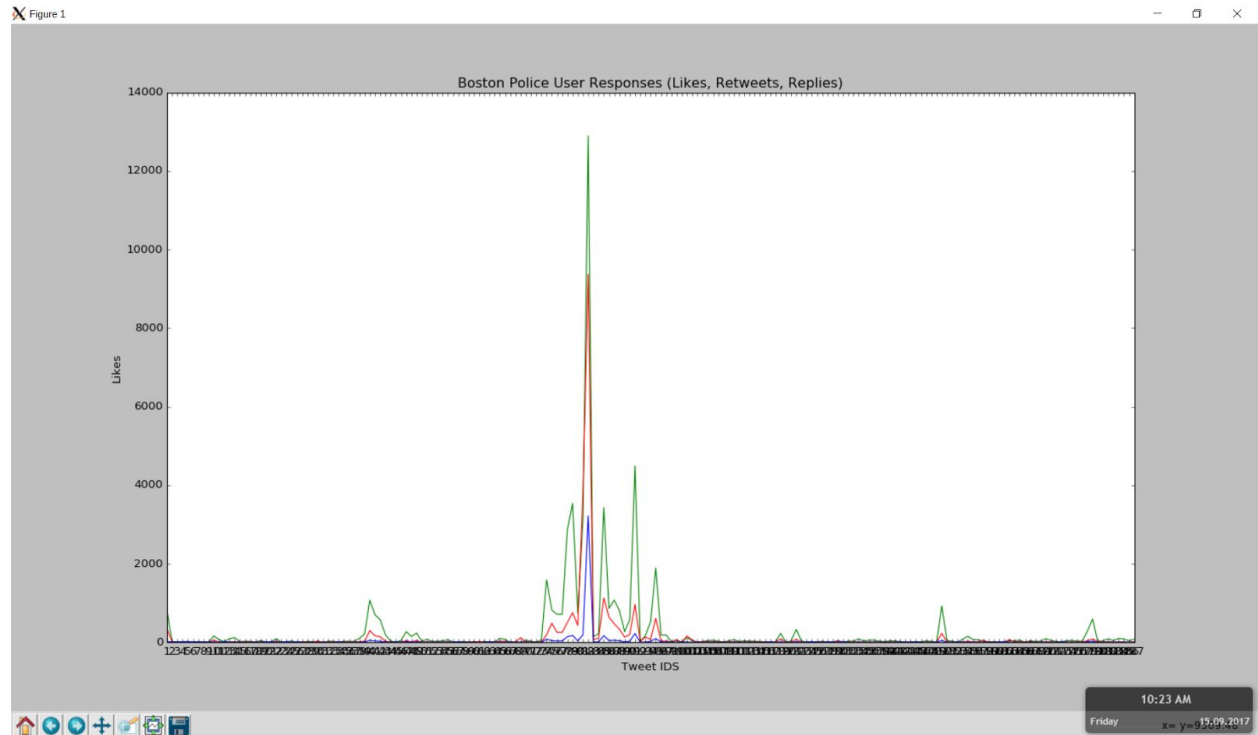**Bengaluru City Police (@BlrCityPolice)**

Frequency of Tweeting is high during 18, 14, 15, 23 August & 1st September and also it takes a peak during 4th and 5th August. 14th August & 15th August tweets are high because of Independence Day in the country. 23rd August & 1st September had high tweets because of waterlogging in the city. 18th August had large tweets because of the eve of Ganesh Chaturthi and Bakrid and also some crimes, traffic congestion happened at that day.

A2 b)

INFERENCES & GRAPHS :-

Boston Police (@bostonpolice)

The graph clearly displays that this Twitter handle is not very famous or much followed on Twitter. Although at some events it becomes and the number of Likes, Retweets and Replies become very dominant for this account. The number of likes are always higher than retweets for this account. The responses are high for any sport that is going on like @Patriots and for the hashtag #KeepingBostonSafe.
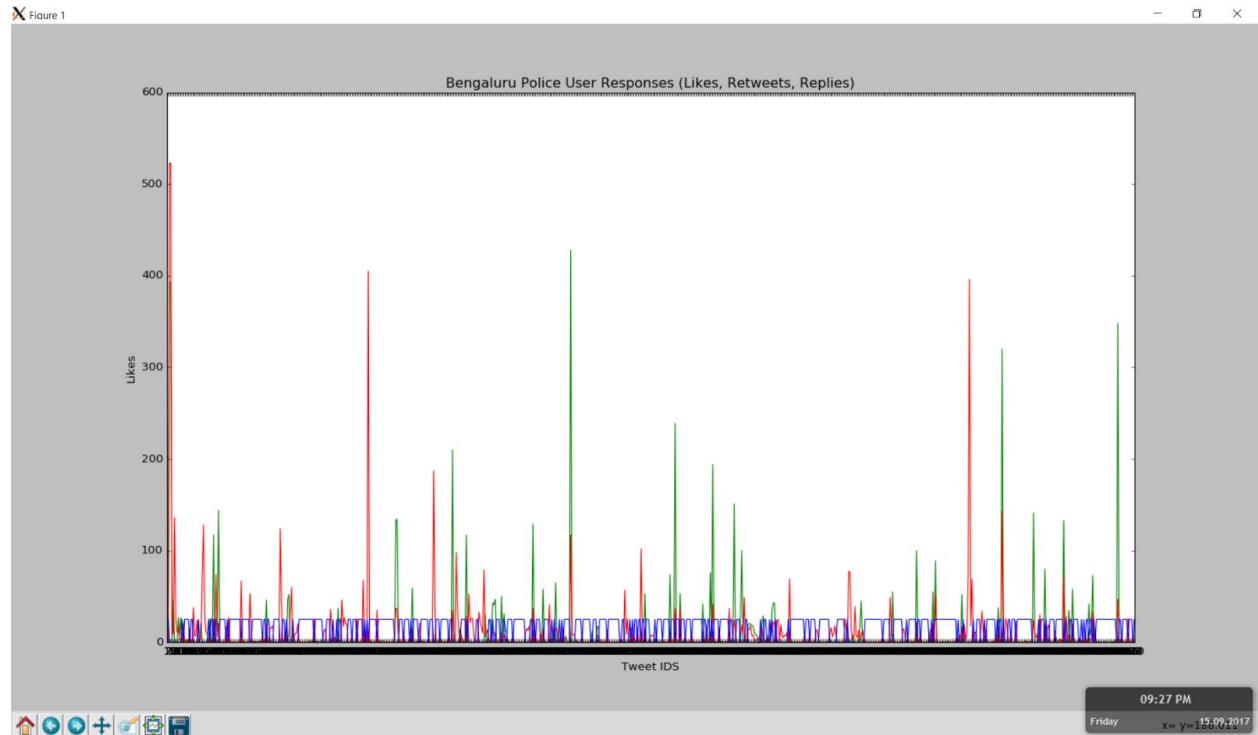
Score Function :-

Number of likes = x
Number of retweets = y
Number of replies = z
Random Coefficient Based upon hashtag in tweet rand = random.randInt(3, 6)

Total Score(x,y,z) = x + (rand * y) + z; where x ~ (rand * y)

Bengaluru City Police (@BlrCityPolice)

The graph clearly depicts that this Twitter Handle is quite popular and the number of Likes, Retweets and Replies are very much common for this handle. The major likes and retweets happen in tweets that involve any calamity like waterlogging and heavy rains. It also included any traffic advice given by the vigilance and for any criminal activities that are either reported or combated by the cops. Likes are also high for #Namma100 and #BeSafe .

Score Function :-

Number of likes = x
Number of retweets = y
Number of replies = z
Random Coefficient Based upon hashtag in tweet rand = random.randInt(1, 4)

Total Score(x,y,z) = x + (rand * y) + z; where x ~ (rand * y)

A2 c)

INFERENCES & GRAPHS :-

Boston Police (@bostonpolice)

Major concerns include spreading awareness among citizens by using the hashtag #KeepingBostonSafe. It also majorly tweets and reports about the quote of one less gun using the hashtag #OneLessGun which means to reduce the amount of ammunition and explosives carried away by terrorists and other harmful people. Some tweets are also related to the BPD Officers and most of the tweets include name of Commissioner Evans (who is the commissioner of Boston Police). It frequently posts related to any theft and updates for any crime that happened. Mostly all the tweets include photos else some links of news articles or videos.
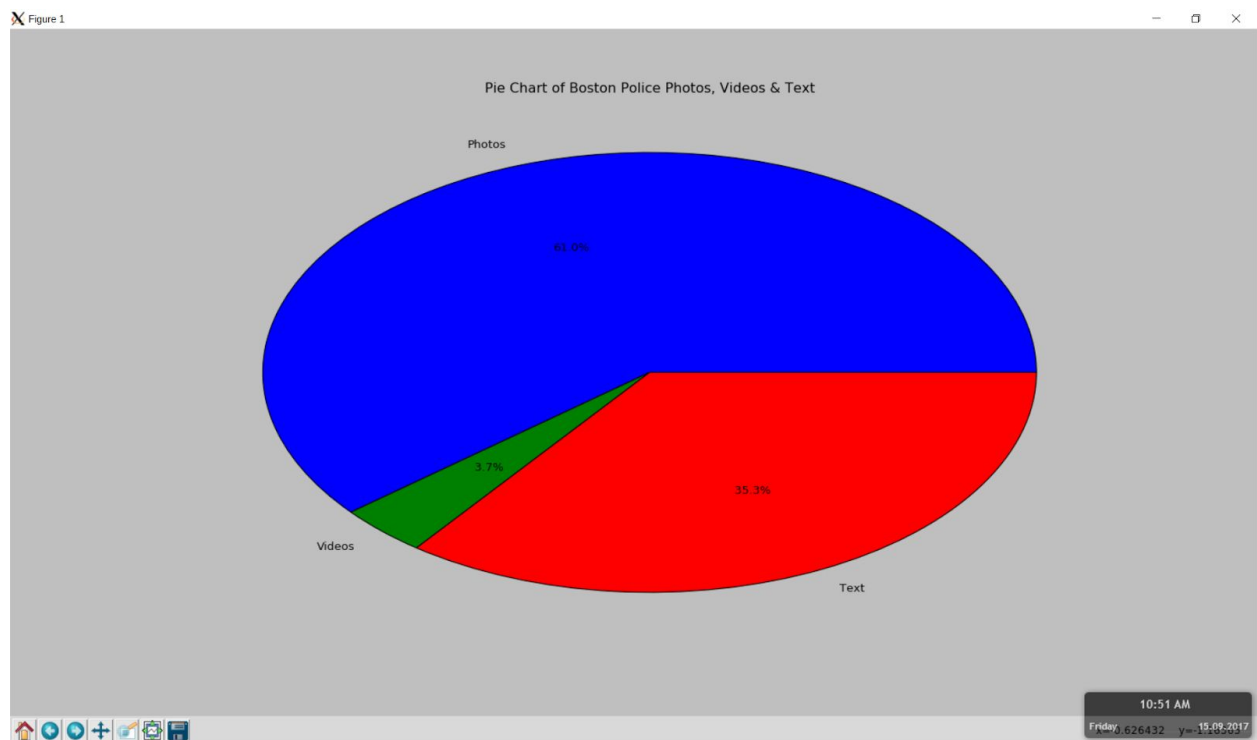
Bengaluru City Police (@BlrCityPolice)

Major concerns includes retweets of various handles which relate to Traffic and other crimes. Most of their tweets deals with safety on roads and other major traffic jams occurring in the city. There are also some tweets regarding heavy rains and waterlogging occurring in the streets. They also greet people with their tweets like Good Morning and for any festival. It also tweets about online scams happening on the internet. Mostly all of their tweets are retweets and they include photos or links as well.
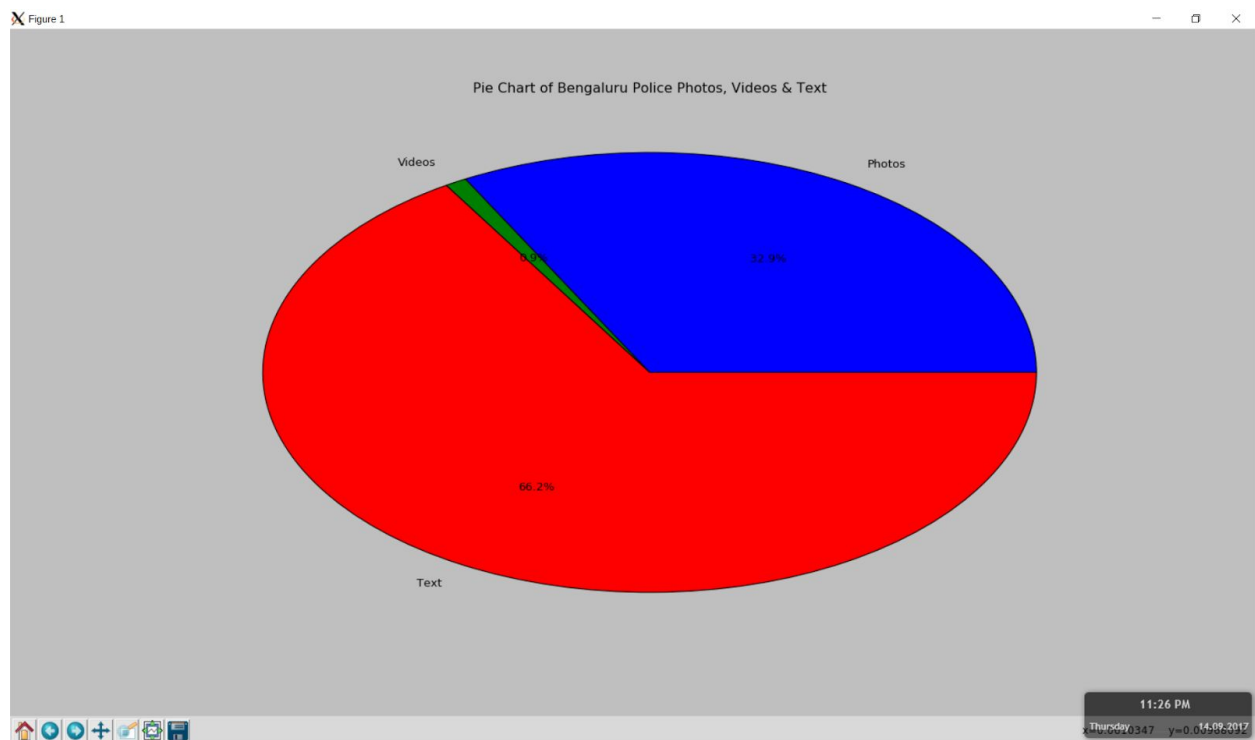
A2 d)

INFERENCES & GRAPHS :-

Boston Police (@bostonpolice)

The number of reactions (likes + retweets + replies) are mostly high for sport events with hashtag of some trending game / team like @Patriots which is a New England Baseball team. Also, if the tweet contains text related to safety in Boston, then also it gets a lot of attention on Twitter. For Example :- The hashtags #KeepingBostonSafe and #SafetyBoston get a lot of likes, retweets and replies. Some tweets containing an image of a criminal or some criminal group gets a lot of retweets. Tweets containing any image of cops during a festival get a lot of likes. The tweets containing both the sport handles as well as the hashtag #BPD get the most number of responses in terms of likes, retweets and replies. Although, there are many tweets on hashtag #OneLessGun, people do not seem to respond much on it and this cannot be considered as a trending topic among the audience.

Bengaluru Police (@BlrCityPolice)

The number of reactions (likes + retweets + replies) are high for tweets having images especially where the tweet involves share this message among public as text. Most of the tweets got attention as they involved any information related to Bengaluru Rains and waterlogging. The tweets with hashtags of any festival like Ganesh Chaturthi, Independence Day get a lot of likes and retweets. Tweets related to combating of any crime going on in the city or arrest of criminals also get a lot of attention. Tweets involving memes as media inside it also get a lot of likes and retweets so as to spread the message inside the tweet in a funny manner. Any tweet containing information related to any traffic and congestion is also retweeted by a large amount of users. #Namma100 also received a lot of retweets and likes as it involves a 30Cr system which is an upgraded version of Dial 100.
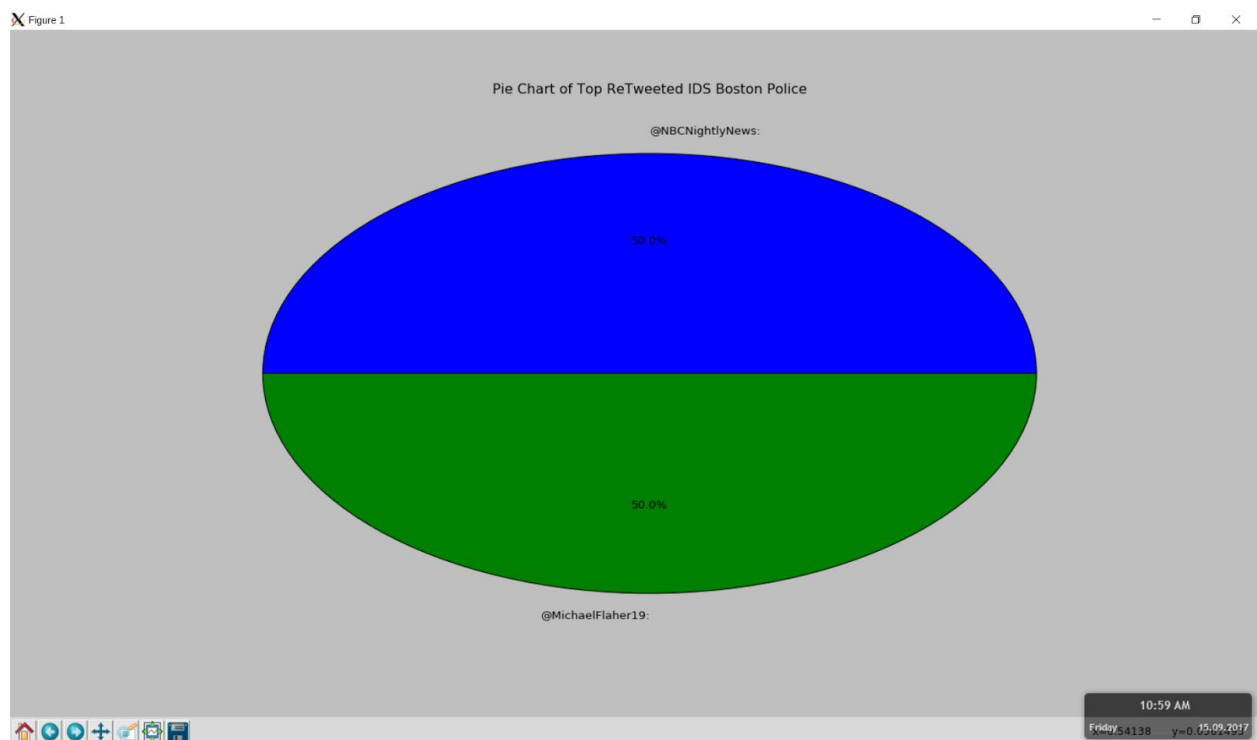
A3 a)

Boston Police (@bostonpolice)

There are only two retweets of tweets done by Boston Police. Their usernames with their count are :-

@NBCNightlyNews : 1
@MichaelFlaher19 : 1

Bengaluru Police (@BlrCityPolice)

Top 10 Retweeted User Handle Tweets with usernames and their count are :-
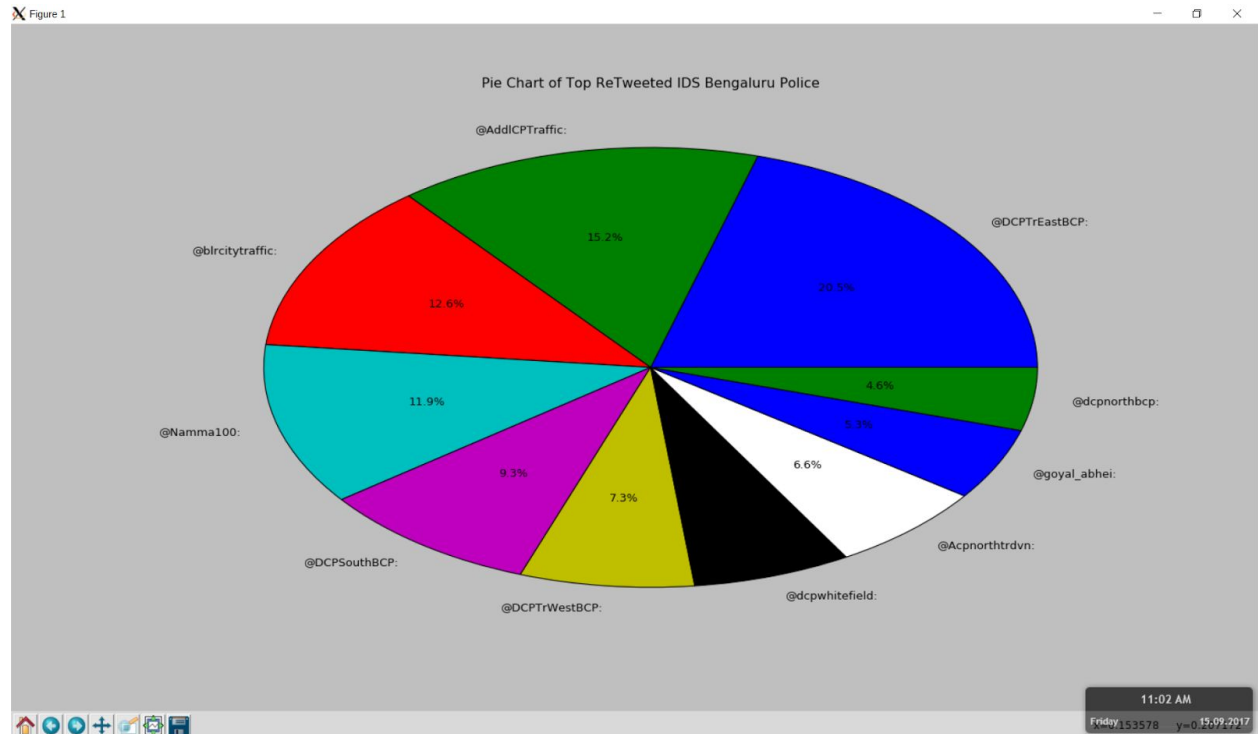
@DCPTrEastBCP: 31
@AddlCPTraffic: 23
@blrcitytraffic: 19
@Namma100: 18
@DCPSouthBCP: 14
@DCPTrWestBCP: 11

@dcpwhitefield: 10
@Acpnorthtrdvn: 10
@goyal_abhei: 8
@dcpnorthbcp: 7

A3 b)

Boston Police (@bostonpolice)

The two handles namely @NBCNightlyNews & @MichaelFlaher19 posted the tweet as "TOMORROW: @LesterHoltNBC shows us how the Boston PD is using an ice cream truck to build community relations. #InspiringAmerica" & "@bostonpolice one of Boston finest lending a hand" respectively. The first one deals with spreading and building up community relations by providing free of cost Ice Cream to the young kids and people around. This ensures that they build up good relations with their neighbours which eventually would help building up a good community. The second one deals with lending a hand to an old lady for carrying her suitcase. This shows that Boston Police is always ready to help you in all circumstances whether you ask for any help. @NBCNighlyNews provides breaking news whereas @MichaelFlaher19 is just a random guy

Bengaluru Police (@BlrCityPolice)

@DCPTrEastBCP is the official Twitter Account for the Deputy Commissioner of Police. Its tweets are retweeted because of spreading Traffic Related Information among Bengaluru Citizens. Some advice like Always Wear Helmet and avoid traffic congestion roads, building of underpass etc. type information is provided by its tweets. @AddlCPTraffic is the Twitter Account of R Hitendra who is the Additional Traffic Police of Bangalore City. His tweets majorly deals with Traffic across the city and sites of congestion. @blrcitytraffic is the Twitter Account of Bengaluru Traffic Police. Its tweets deals with Traffic Problems, information related to any vehicle breakdown. Some suggestions on how should people travel in the city. Challan related information. @Namma100 is the Twitter Account for alternative DIAL 100 and its tweets are retweeted because of its effectiveness and speed. It responds to your call 24x7 within 15 sec and even come for help within an area of 15m. @DCPSouthBCP is the Twitter Account for the DCP of Bengaluru City South. His tweets are retweeted because of regarding any public meetings and other events. @Acpnorthtrdvn is the Twitter Account for ACP Traffic North and he deals with traffic awareness among public and schools. @DCPTrWestBCP is the Twitter Account for DCP Traffic West and his tweet deals with traffic and road projects. @dcpwhitefield is the Twitter Account for DCP Whitefield Division and his tweets deals with different crimes and the achievement of police in preventing and combating the crimes. @goyal_abhei is the Twitter Account of Karnataka IPS Officer and his tweets gives people information regarding any disaster or any problem in the city. He also greets people on festivals and other important occasions. @dcpnorthbcp is the Twitter Account for DCP North and his tweets deals with public awareness.