

Assignment

Use data - <https://s3.amazonaws.com/datasetsgun/data/terror.csv>

Q.1) How many attacks happened in India?

Hint: Use the country_txt column.

Q.2) How many attacks happened in India and upto 3 people were killed?

Hint: Use the country_txt and nkill column.

Q.3) Extract the city and summary for attacks above

Hint: Use country_txt, nkill and summary columns

Q.4) In a single terror incident in India, find out top 5 cities by number killed

Hint: Use each row as as a unique terror incident. Use country_txt, nkill and city columns

Q.5) In a single terror incident in India, find out top 5 cities by number killed and wounded

Hint: Use each row as as a unique terror incident. Use country_txt, nkill, nwound and city columns

Q.6) How many attacks were successful that were suicide attacks?

Hint: Use suicide and success columns

Q.7) Label all the incidents where the number killed was more than 5 as severe.

Hint:

Use Aggregations and manipulations using apply and map

#map: map a function to each element of a series object

#Suppose we want to label all the incidents where the number killed was more than 5 as severe. This would involve applying a function on each element of the series, map helps in doing that.

#You can use lambda functions as well (if else follows a special form when used with lambdas)

Use the nkill column.

Q.8) write a function to label an incident that was both successful and suicidal

Hint: We can use apply to use a function column wise where you can use columns success and suicide in the data.

Q.9) Create a new category representing if the incident occurred in Afghanistan, Pakistan or India as one level of the category and all the other countries as another level. Label all other countries as ROW and new column which contains the new category as 'Local' in the data.

Hint: Create a new category representing if the incident occurred in Afghanistan, Pakistan or India as one level of the category and all the other countries as another level.

Use the columns – country_txt and create a new column called “Local” in the dataset.

Q.10) How many incidents happened in Af-Pak-India vs ROW?

Hint: Use the newly created column “Local” and do a value_count or use the size function.

Q.11) List the number of suicides attacks and average kills by Af-Pak-India vs ROW. Rename columns in the output as Average_Kills for average kills and Number_Incidents for count of suicide attacks.

Hint: Use the newly created Local column and Suicide column for group by summary and use the nkill column to take average and count.