**Data Science on-site challenge: Data exploration and visualization**

Below are the datasets related to the accidents happened in USA in 2015

Accident: This data set will have information related to the accidents happened in 2015.  'ST\_CASE' is the primary key in the data set.

person: This data set will have information related to the persons involved in the accidents happened in 2015.  'ST\_CASE' is the reference key from the accident dataset and if a person survived in a accident then 'DEATH\_YR' =8888 otherwise it will have a valid year.

vindecode: This data set will have information related to the vehicles involved in the accidents happened in 2015.  'ST\_CASE' is the reference key from the accident dataset.

Using the above three data sets please answer the below questions:

1. Visualize the count of accidents by 'STATE' wise
2. Find top five states with highest number of  persons died
3. Find top five states with highest survival rate (Total persons survived in a state/Total number of accidents in a state)
4. Visualize the distribution of total persons involved in a accident in the 'STATE' = 36  month wise in 2015
5. Find the count of persons survived in an accident occurred in 'STATE' = 36 where the vehicle make is ‘FORD’ month wise in year 2015