Data analysis and visualization

1. Storing data:-

   After gathering , assessing and cleaning data . now the data is cleaned so store these new data in csv file and rename it twitter_archive_master

   First make new dataframe that's finally cleaned and named it 'cleaned '

   Save data in csv by : cleaned. to_csv('twitter_archive_master.csv') . after run this code new csv file will created

2. Data analysis :-

   In data analysis perfume many analysis such that groupby function and find minimum or maximum or count of values by value_counts , …. And so on
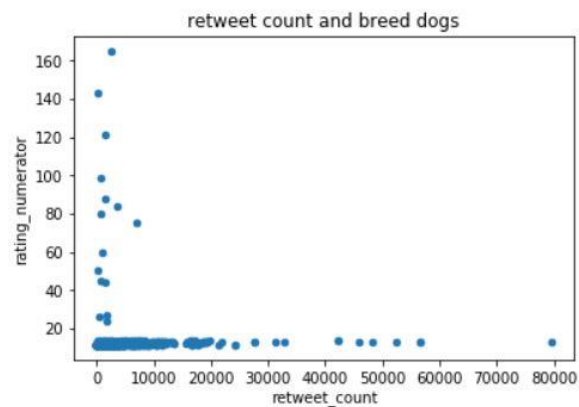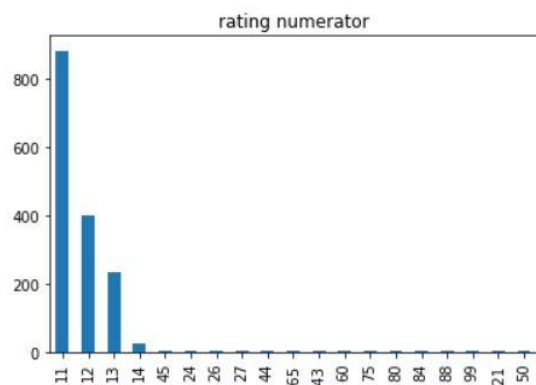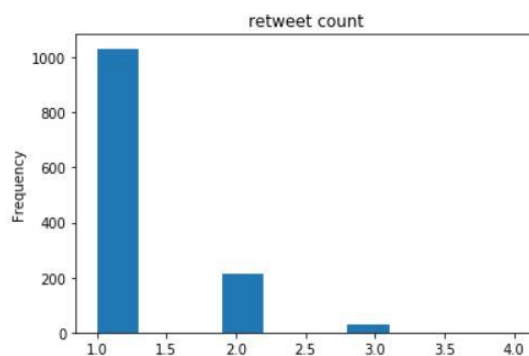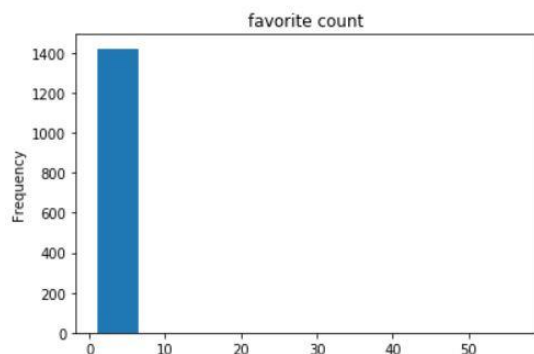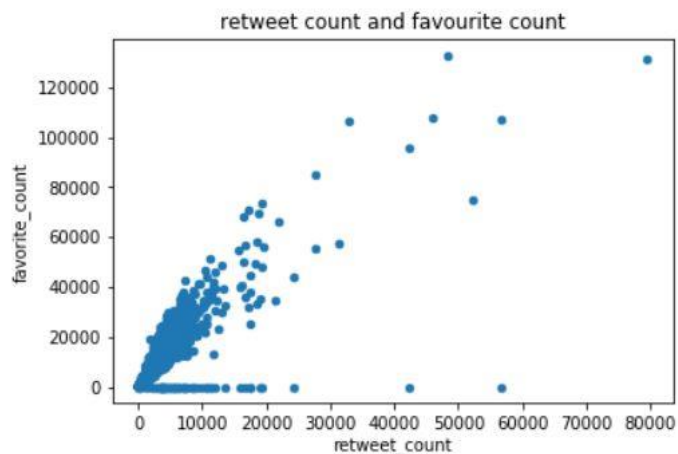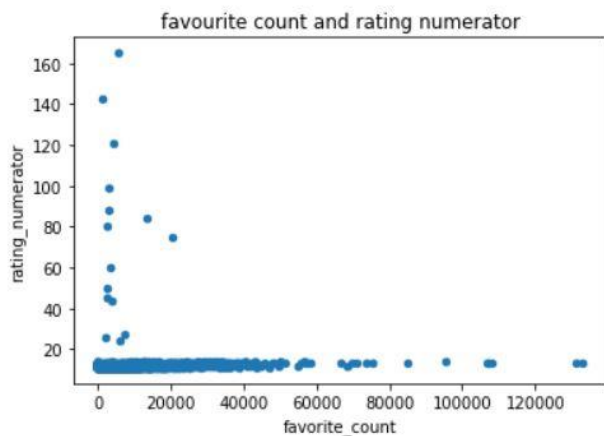
   - Make groupby on source column : print counts of in_reply_to_status_id , in_reply_to_user_id , name , stage column in each source
   - Make groupby on stage and breed together : and find minimum and maximum mean of rating_numerator , favorite_count, retweet_count columns
   - Make groupby on stage and breed together : and find all related aggregation of rating_numerator column . such as (min,max,count.mean,median,….etc)
   - Make groupby on stage column: print aggregation of rating_numerator , favorite_count, retweet_count column . such as (min,max,count.mean,median,….etc)

3. Data visualization:-

   In data visualization will visualize the data in different types of graphs to be more easier than numeric representation to understand and make conclusion

   Make 2 types of visualizations graph

   - Bar : in hist visualization will graph count of values of different rating_numerator column
   - Pie : in pie visualization will graph counts of values of different dog stages column
   - Hist : in hist visualization will graph count of values of different 2 columns , 2 plotting (first for retweet_count column , second for favorite_count column)
   - Scatter : in scatter visualization will graph relation between 2 columns , make 3 plotting
     First(relation between retweet count and favourite count)
     Second(relation between retweet count and rating numerator)
     Third(relation between favourite count and rating numerator)

favourite count and rating numerator

retweet count and favourite count

favorite count

retweet count

rating numerator

retweet count and breed dogs

Dog Stages