

## Data Exploration:

- The "rating" feature of the dataset is categorical variable with values like 1,2,3,4,5
- The 'count plot and factor plots were plotted to check the distribution of rating across the products.
- The new dataframe is created with grouby productwise .
- The columns being product id, mean rating and count of total ratings
- The histogram of the rating count and rating as well as count of total rating is observed.
- Joinplot of no of total rating Vs mean rating is plotted
- After creating the dataframe with grouby product id, the bar plot clearly shows the highest rated product.
- The no of clusters are estimated using the elbow method