Project : Trend Analysis of Tops And Making Predictions

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God made man and tailor made gentleman.

Buissness Case:

- Omnilytics is a fashion analytics and insights software that makes real-time competitor data accessible, simplifies decision-making and drives higher profit.
- In Our Generation Clothes play a important role in defining the various aspect of human life our goal is to provide the best user experience ever generated in era of fashion
- The most appreciated form is the user experience as it gave us an idea “ how our product gave the performance when tested it at its all calibre.
- The Objective is to Study the Given Trends Dataset which has a count of 261 entries giving us a deep knowledge about the popularity of tops and thus help us in making predictions

Flow Of Project :

- Data set
- Analysis Tool
- Data Analysis
  - Univariate Plotting
  - Bivariate Plotting
  - Multivariate Plotting
- Observations
- Insights

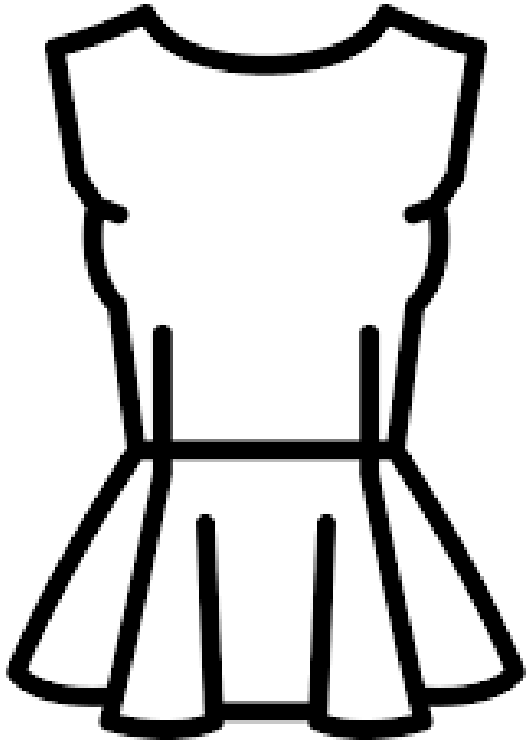
The Data :

- The Dataset cotains the information about the different types of tops based on their popularity Counts and its is collected for the five years namely 2012,2013,2014,2015,2016 and three quraters of 2017

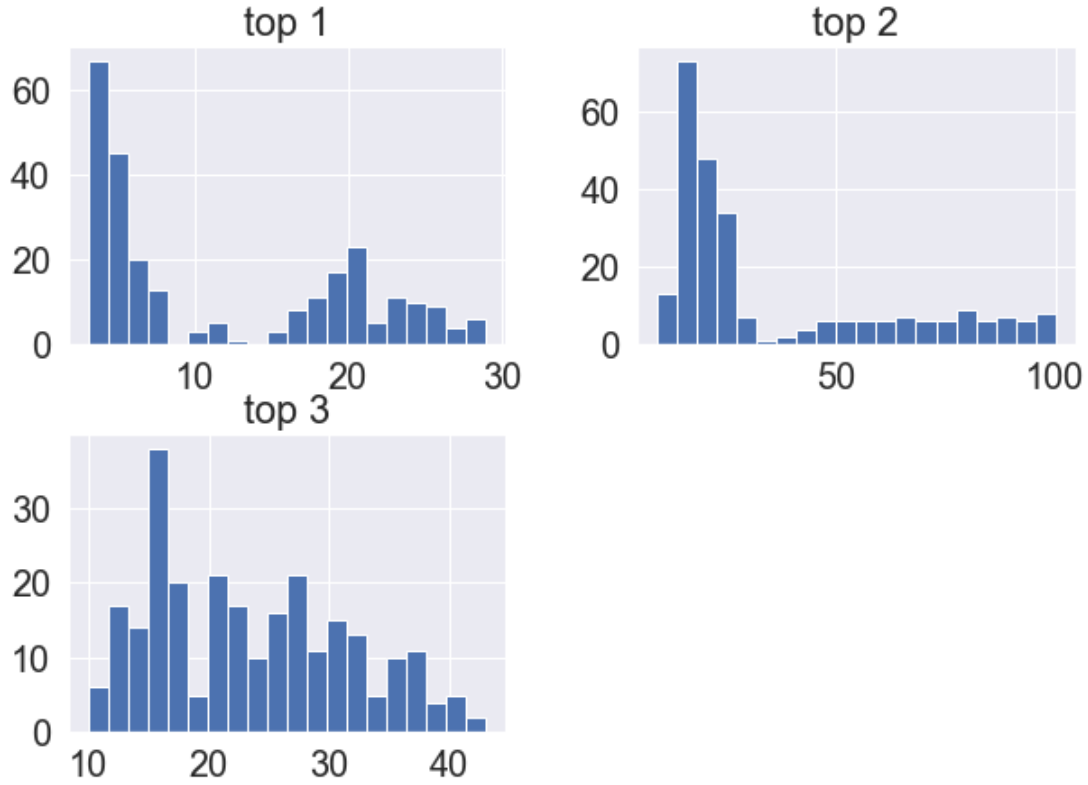
- Attribute Information
- Top 1 : this the type of top available for sale ,it contains numeric value which the popularity count of the top

Analysis Tools:

- Python Language was used for programming and thus the foll libraries ad tools were used for the analysis
- Pandas
- Numpy
- Seaborn
- Tableau
- Matplotlib



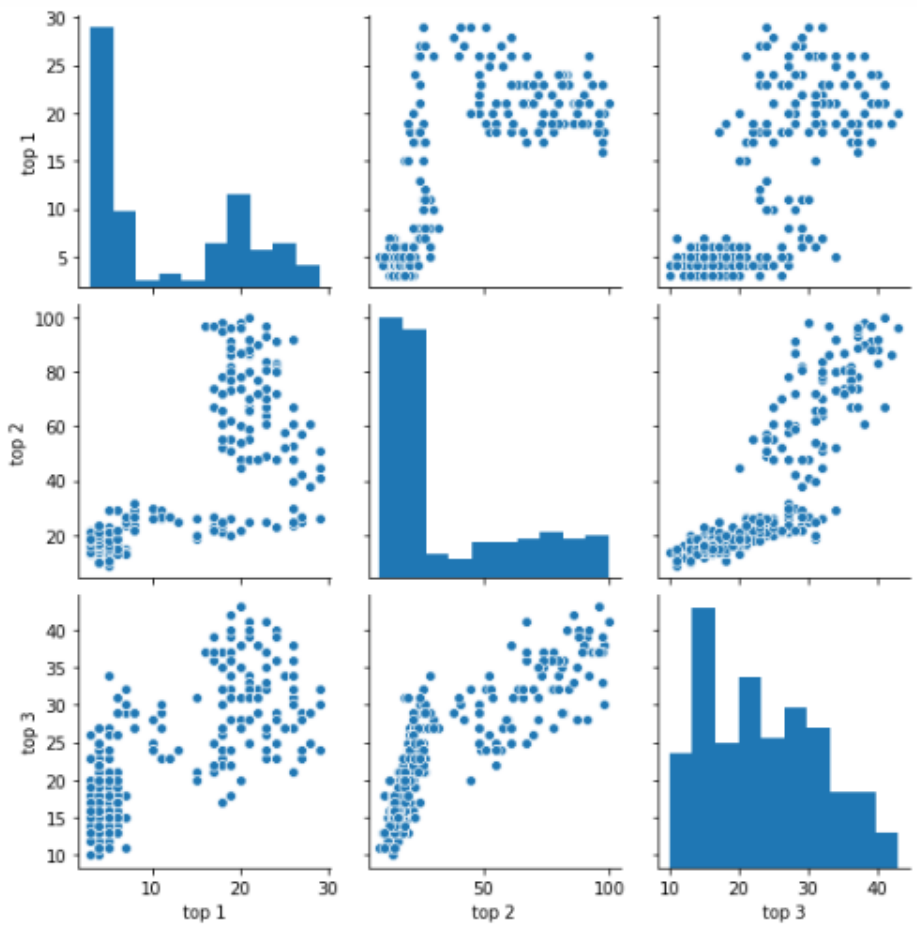
Data Analysis Univariate



- The Following Graphs Shows us an Histograms Of All The Tops
- Further we can clearly See that the Top 2 has highest spread
- Univariate analysis helps us to understand each variable distinctively

Bivariate Analysis

- Bivariate Analysis helps us to understand the relationship between two variables
- Bivariate Also helps us to understand the dependacy factors of the variable
- The Figure Beside shows the scatter plot and the histogram of the variables
- We see the distribution to be a not normal one
- Thus having a details analysis will help us in understand the importance of variables while model building

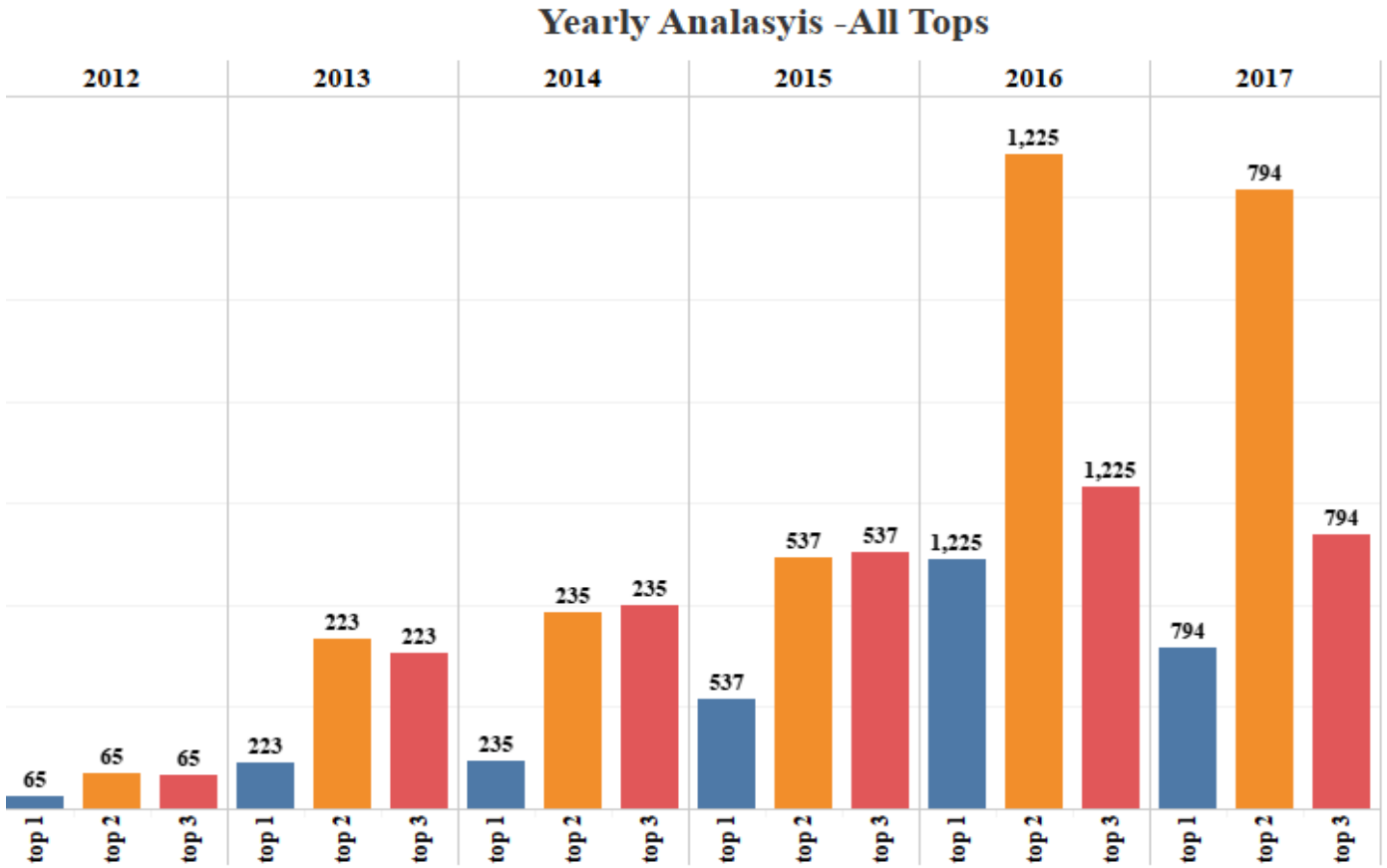


Observations :

Which is performing best. Elaborate on how you defined "best performance". ??

Also quantify the best top.

- We See That the Top 2 Had The best performance over other tops compared to the all the years
- The performance factor was decided by the overall counts of the popularity for each top

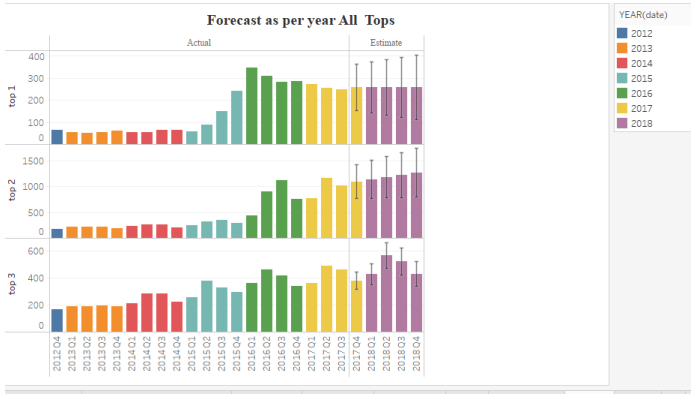


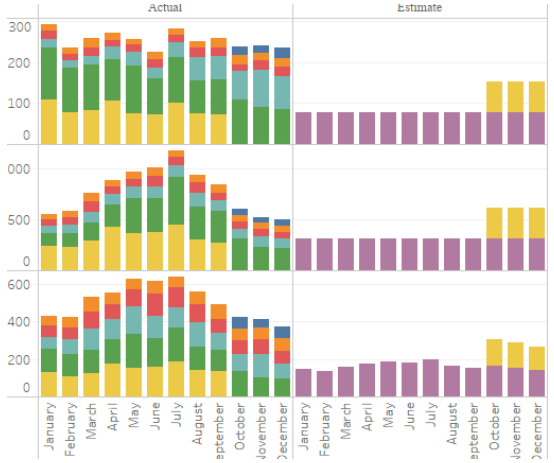
3. **Look at the predictions.csv file - there are three fits for each trend, comment on which you find to be best. Done biasness ,why?**

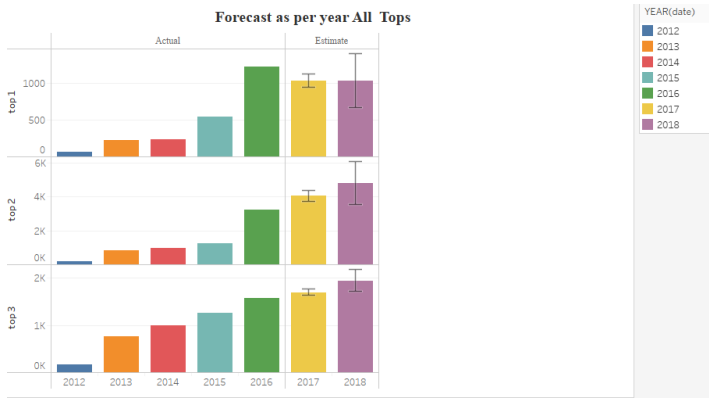
- Looking at the predictions.csv file we conclude that the fit one has the best fit of all
- The Reason For Selecting the first fit is that the model is low biased and has a low variance compared to the other types of fits thus making it quite robust to be deployed

Quantify these predictions into an assessment of how you would expect the demand to change over the next 3, 6, 12 months.

Demand Change over 3,6,12 Months For Tops







Insights

- Monitor certain social media topics
- Focus on Right Customers
- Include Innovative Offers
- **Keep Monitoring the different Trends And Store Them For Furture analysis**
- **Be ready to change with times**
- **Neva sell things in loss**

Thank You

- We appreciate your time and patience moreover we grateful to you for a giving us a chance for explaining the dataset and thus try implementing the machine learning concept in detail
- We hope you have a wonderful day and a pleasant time ahead