

Capstone Project

WEB AND SOCIAL MEDIA ANALYTICS

FOR A MOBILE MANUFACTURING
BASED FIRM

DS DEC C-39

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AGENDA

- OBJECTIVE
- BACKGROUND
- KEY FINDINGS
- RECOMMENDATIONS
- APPENDIX
 - (I) DATA SOURCE
 - (II) METHODOLOGY

OBJECTIVE

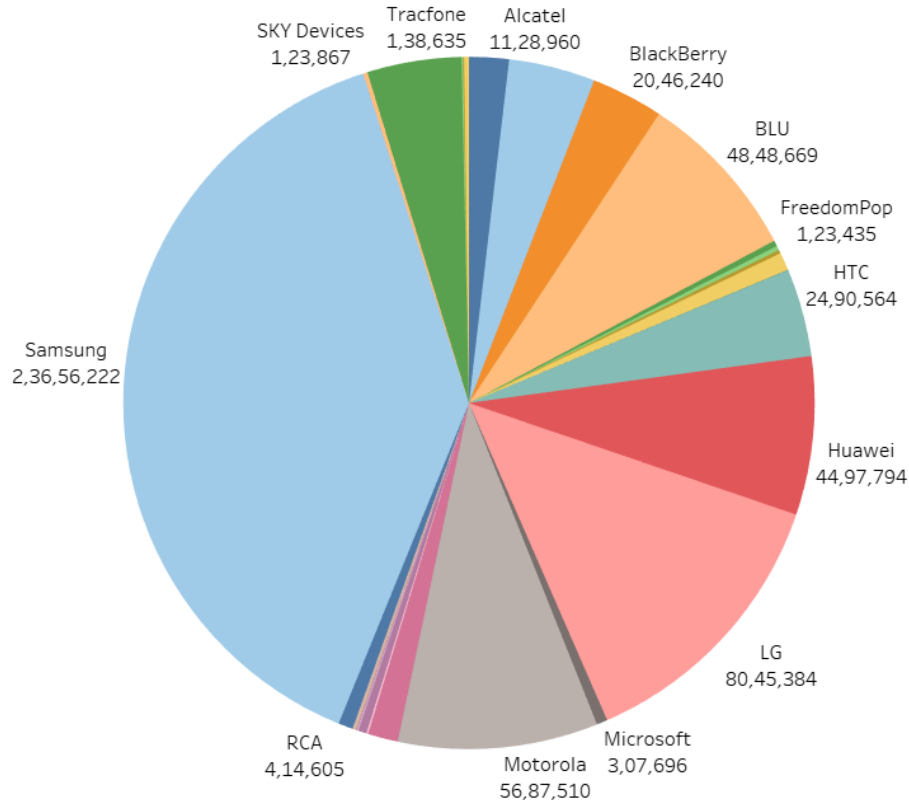
To offer the insights in mobile phone industry, which will help them to develop or launch a new mobile in market that will enable them to design a new product in the best possible way.

Adding product's value and close the supply-demand gap by modifying the marketing techniques.

BACKGROUND

Since the company only recently joined the mobile industry three years ago, they are interested in learning more about their rivals/ competitors as well as the preferences of their users in order to tailor their plans appropriately.

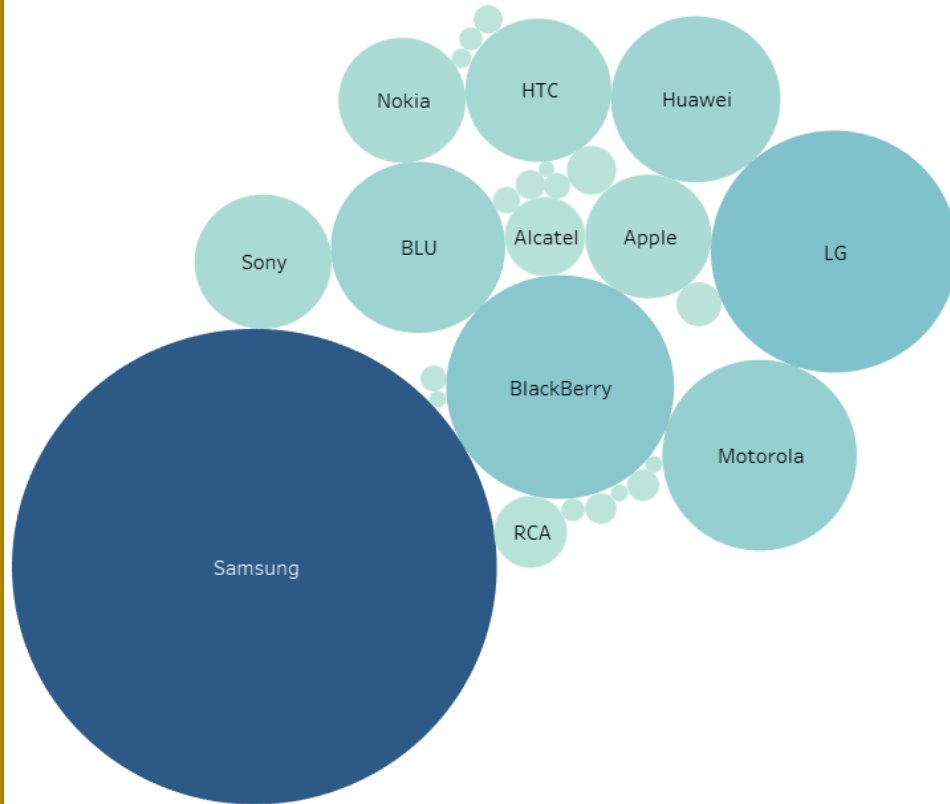
MOST POPULAR BRANDS



•The most reviewed brands that are popular among users are Samsung (38.89%), Motorola (9.35%), LG (13.23%), Huawei (7.39%), HTC (4.09%), Blu (7.97%) and Apple (4.04%)

•As now we know how the market share Gross by these competitors, so let's now focus on the features and services provided by these brands.

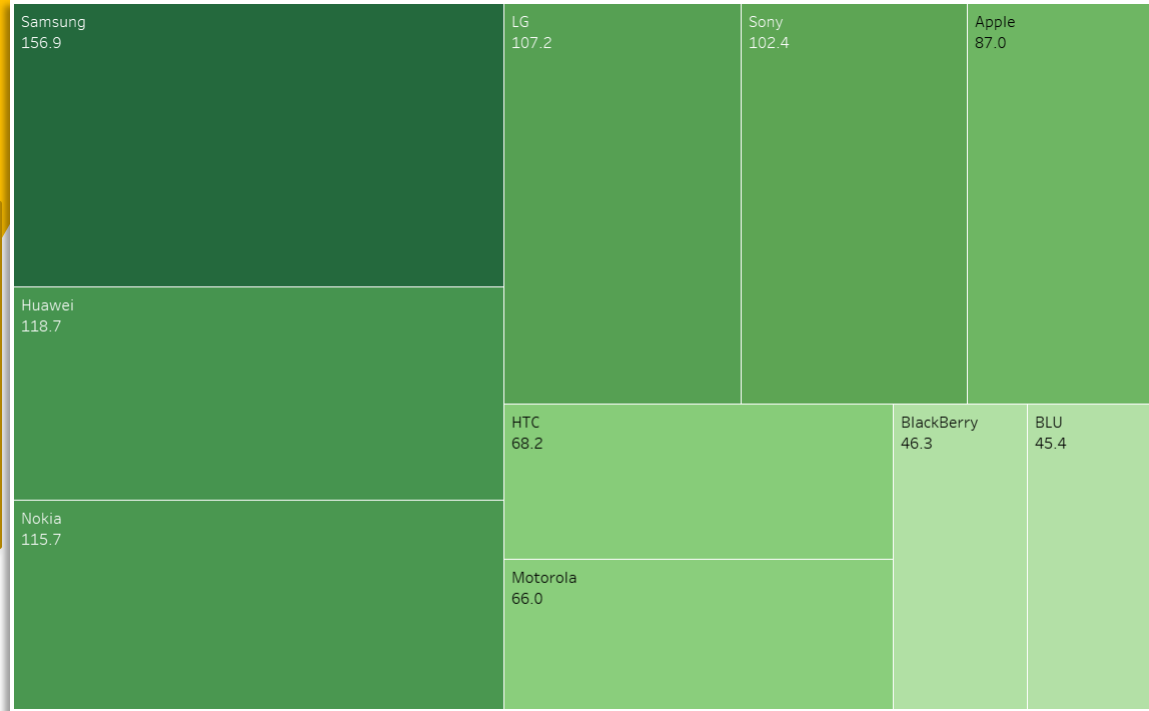
TOP RATED BRANDS w.r.t CUSTOMER



By looking at customer's ratings of various brands, we can see that even though Samsung dominates the market in terms of popularity, other brands like LG, Apple, Blackberry, HTC, and Huawei are favorably correlated.

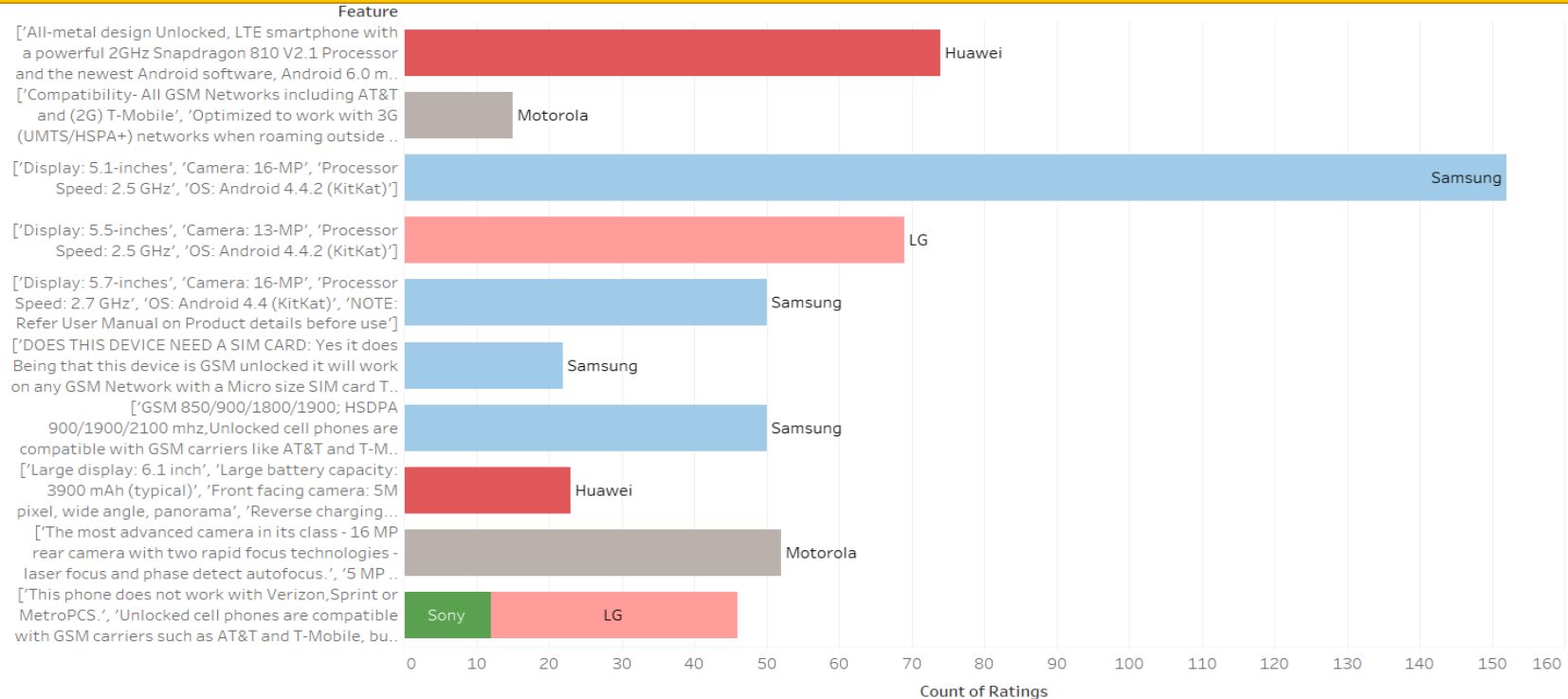
BRAND-WISE PRICE VARIANTS

- The customer's preferred price range is between \$80 to \$150.
- This should be the price segment that we should be targeting.

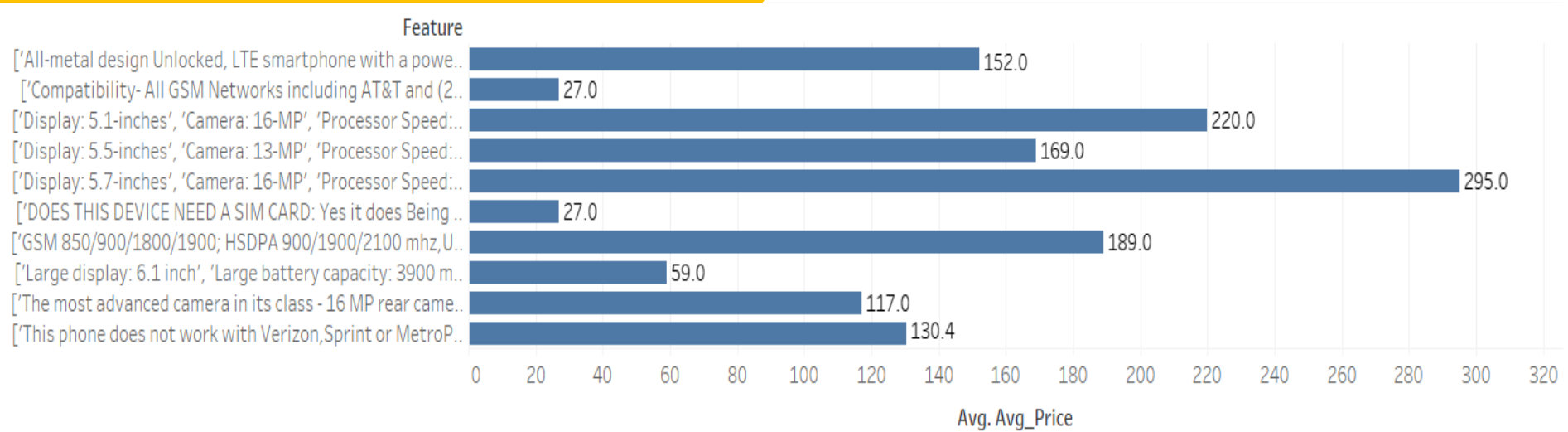


MOST FAVOURABLE FEATURES w.r.t CUSTOMERS

One of the most demanding feature is, the mobile must have a Display of 5.1 inches in size, Camera with a 16MP rear lens and a processor having 2.5GHz



MOST LIKED FEATURE WITH AVG PRICING

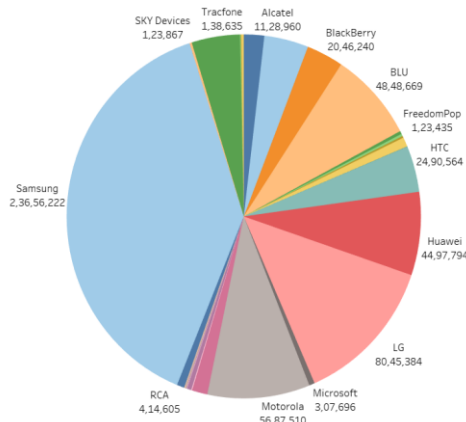


Features, which is preferred as well as inexpensive

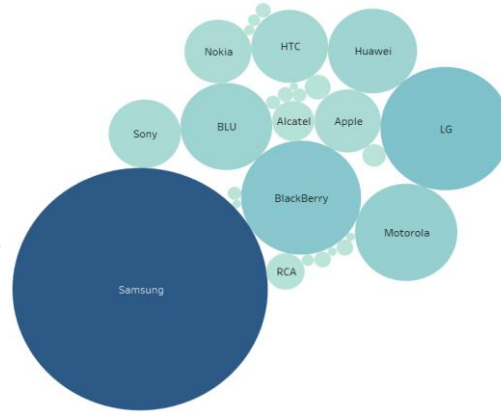
- Includes a display of 5.7 inches,
- A 16 MP camera and a 2.7 GHz processor
- Processor along with Android OS.

DASH BOARD VISUALISATION

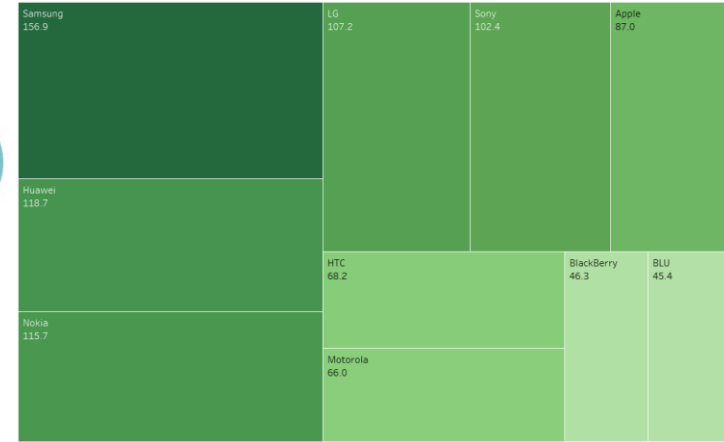
POPULAR BRAND DISTRIBUTION



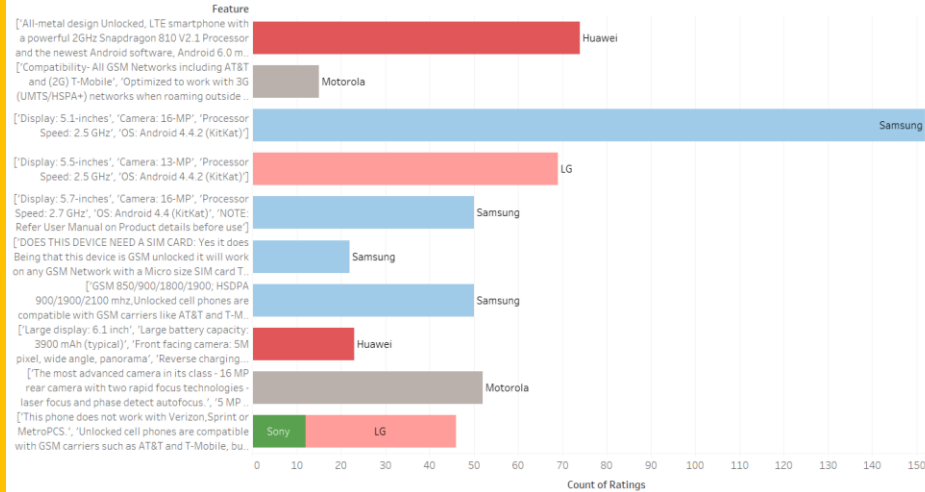
TOP RATED BRANDS



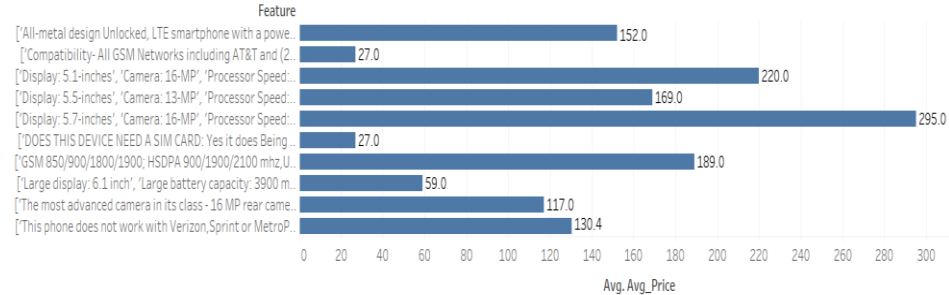
BRANDS WITH ITS PRICE VARIANTS



MOST LIKED FEATURES OF BRANDS



MOST LIKED FEATURES WITH AVERAGE PRICE



RECOMMENDATION

- The top competitor brands like Samsung, Motorola, HTC, Huawei and Apple; are already grossing in market so we have to be update the services and features offered by them.
- The product retail price must be a mid range price segment since the price range preferred is 80\$ - 150\$. This gives us the segment we need to focus and introduce our range of products.
- To compete in the market, we must have features such as-
 1. Android OS.
 2. 5.1-5.7-inch screen.
 3. 2.7 GHz processor.
 4. 16MP camera lens.

APPENDIX

DATA SOURCE: Amazon review data (ucsd.edu)

METHODOLOGY:

- Performed cleaning, pre-processing the data.
- With the help of NLP we done the Text Analytics to review the customer sentiment.
- Building Dashboard for visualizations on Tableau.
- Building search engine classification using Naive Baiyes ML algorithm.

Thanks

