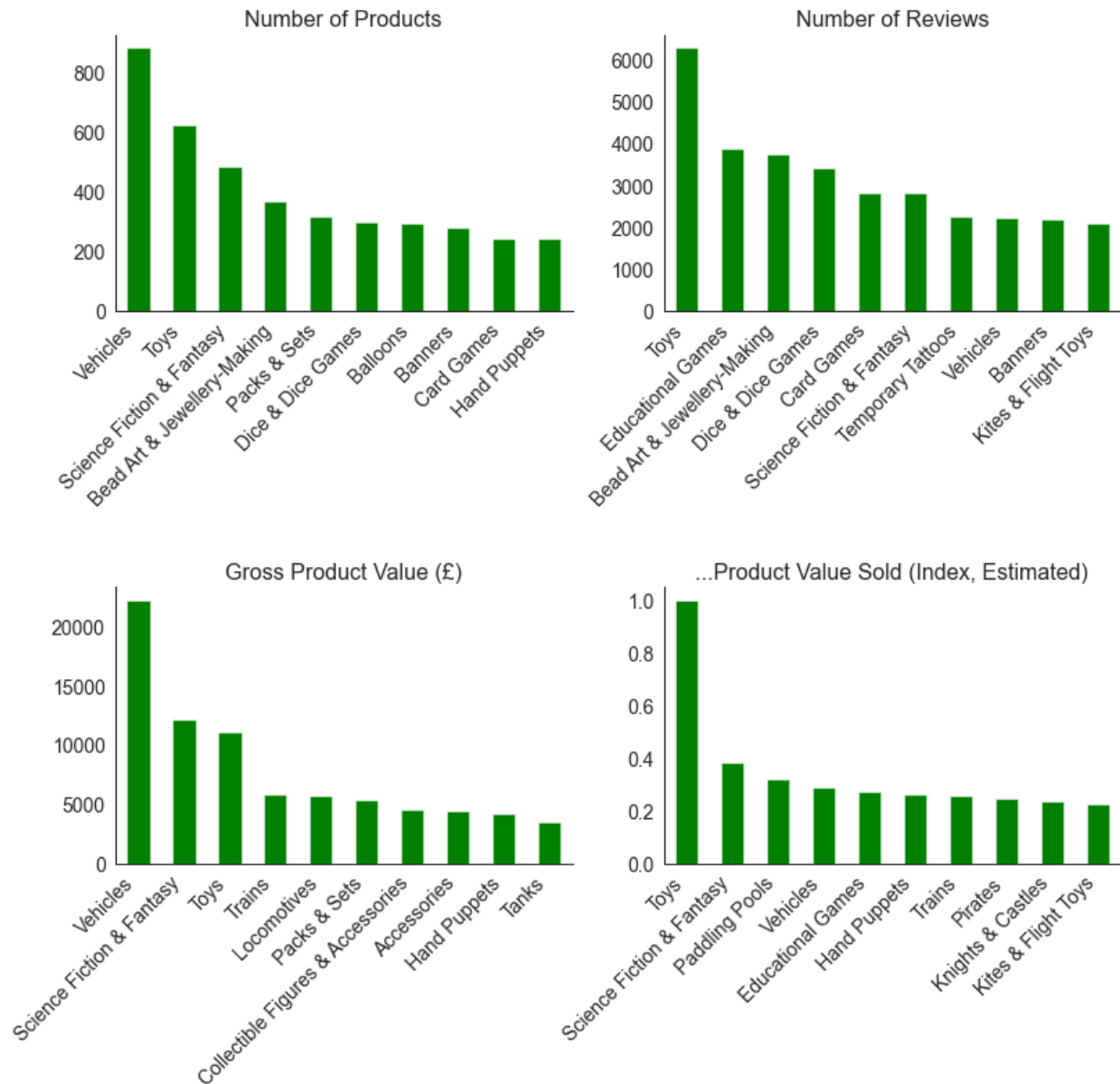


# Visualizations for Amazon sentiment Analysis Data:

Initially, created visualizations from Amazon Products data using Matplotlib, seaborn:

1. Analyzed the products with its top categories based on review, value

Top most Categories

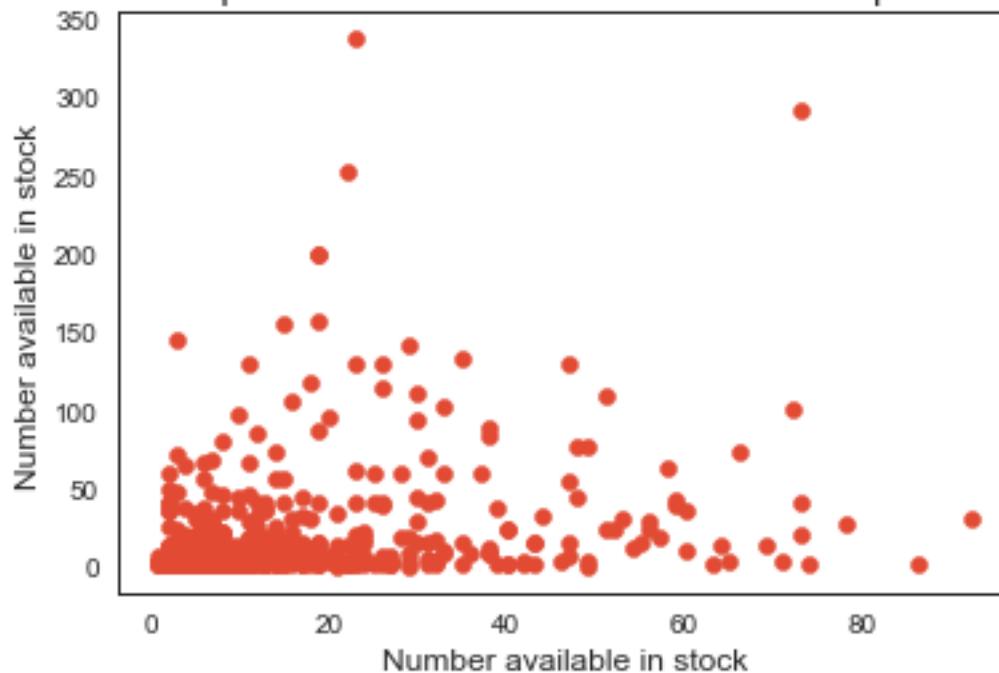


2. Analyzed the data base on categories and sub categories

|                           | leaf_category_1 | leaf_category_2 | leaf_category_3 |
|---------------------------|-----------------|-----------------|-----------------|
| root_category             |                 |                 |                 |
| Arts & Crafts             | 2               | 1               | 0               |
| Characters & Brands       | 327             | 287             | 0               |
| Cooking & Dining          | 1               | 1               | 1               |
| Die-Cast & Toy Vehicles   | 245             | 244             | 230             |
| Dolls & Accessories       | 103             | 93              | 0               |
| Electronic Toys           | 1               | 0               | 0               |
| Figures & Playsets        | 130             | 0               | 0               |
| Games                     | 8               | 0               | 0               |
| Hobbies                   | 18              | 17              | 9               |
| Party Supplies            | 1               | 0               | 0               |
| Puppets & Puppet Theatres | 99              | 0               | 0               |
| Sports Toys & Outdoor     | 7               | 4               | 0               |

3. Analyzed the data based on reviews and product stock

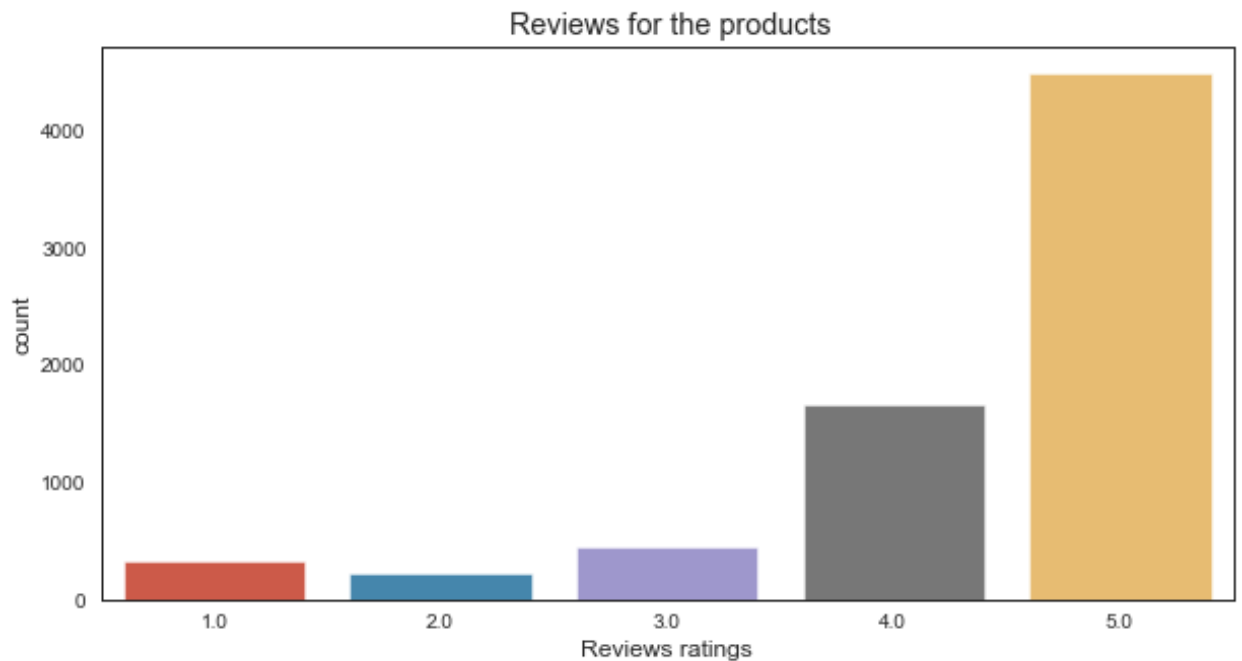
Relationship between the number of reviews and product stock





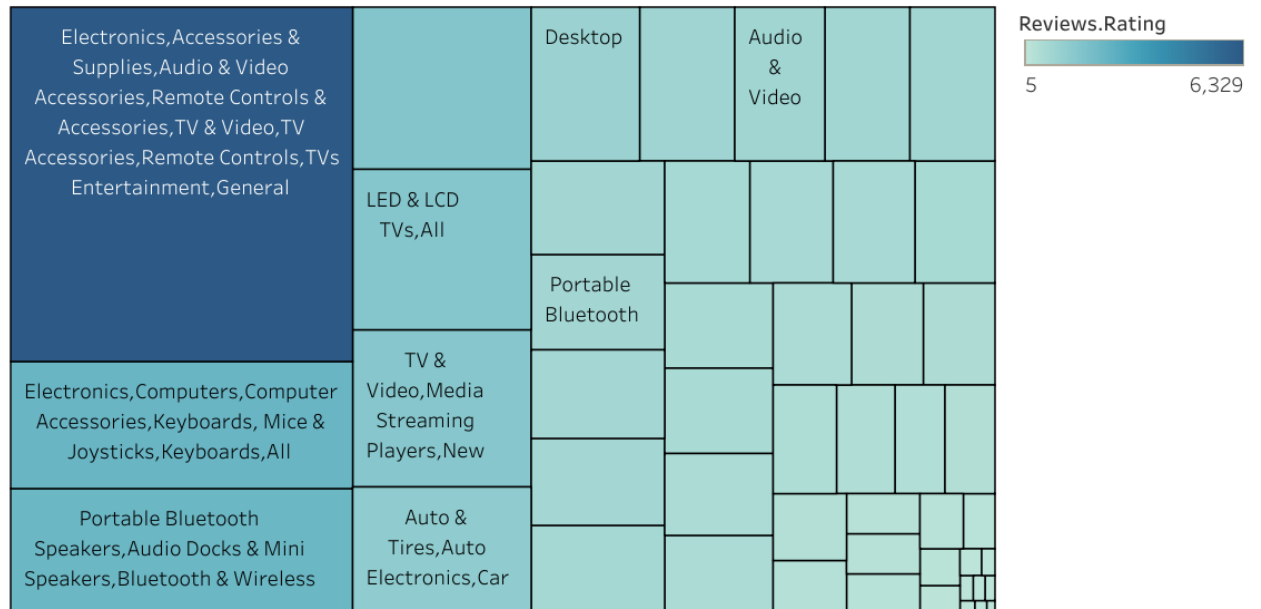
From Electronics Dataset,

1. Analyzed the review ratings :



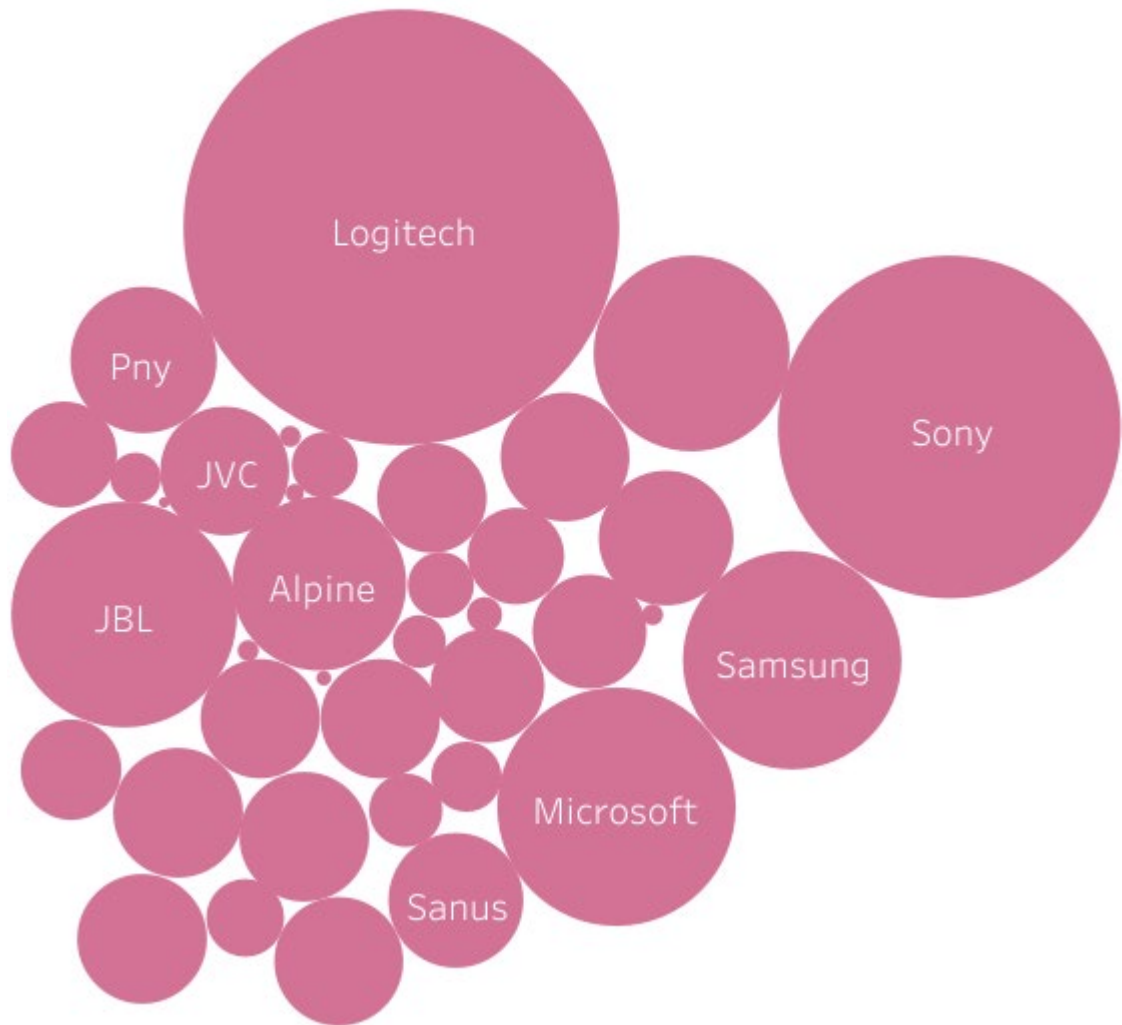
2. Analyzed top products with Tableau:

## Categories based on Ratings

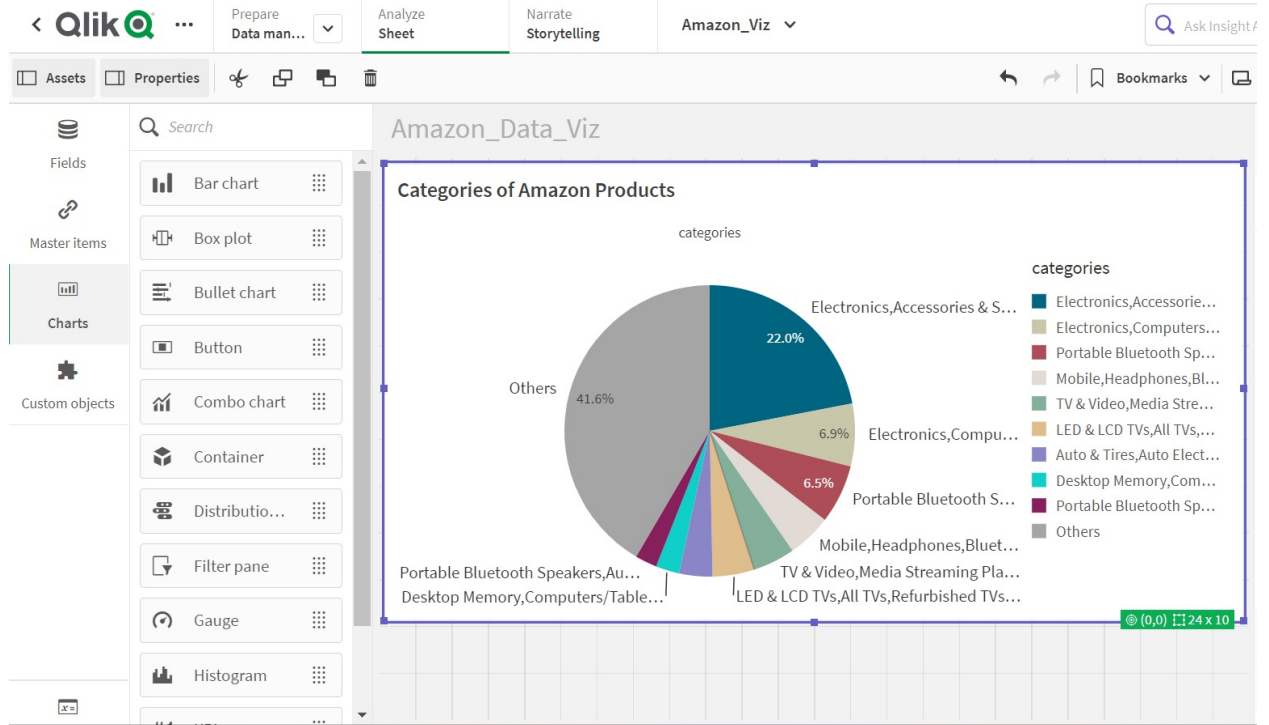


3. Analyzed different products based on brands with Tableau:

## Brands with number of categories



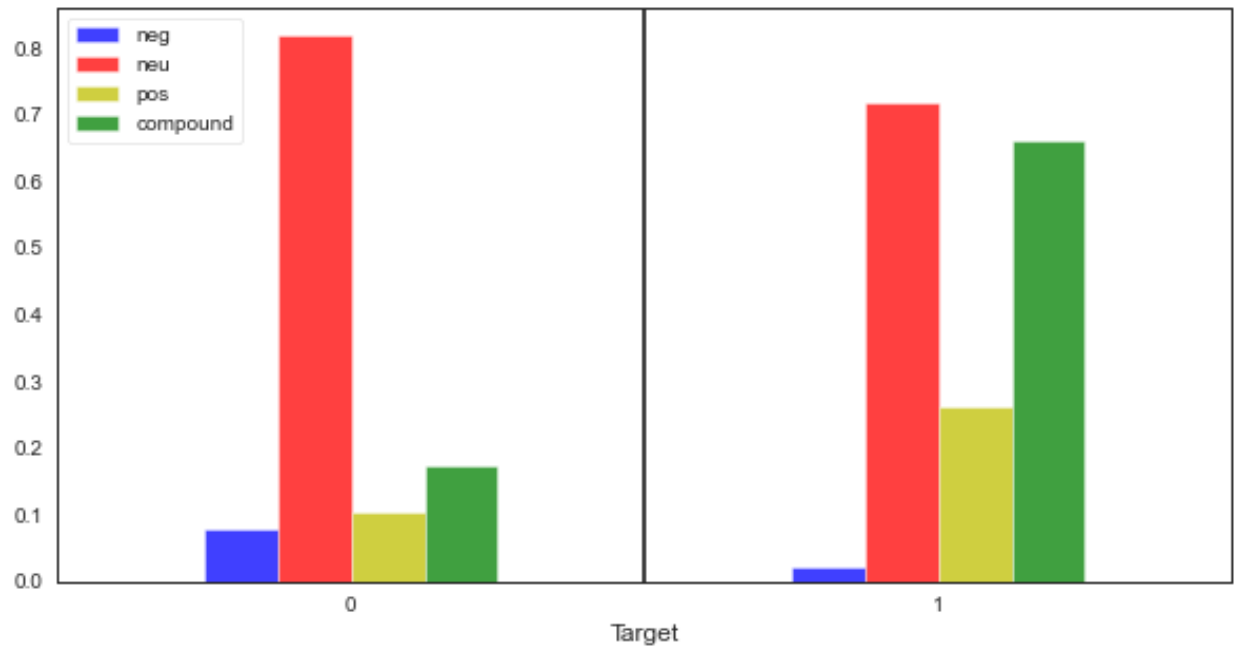
4. Analyzed different products with QlikSense:



5. Analyzed based on customer question and answers:



## Vader Sentiment Analysis



7. Analyzed based on electronics products:







