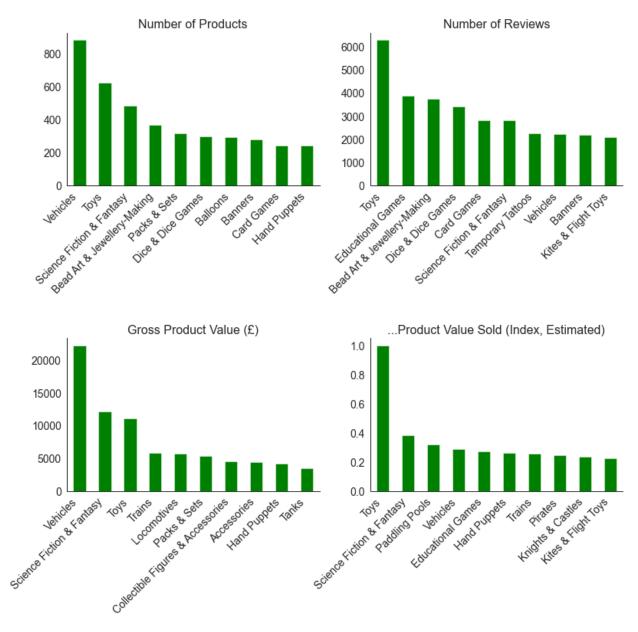
### **Visualizations for Amazon sentiment Analysis Data:**

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

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





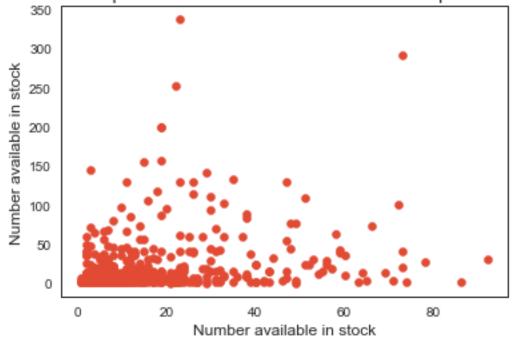
Analyzed the data base on categories and sub categories

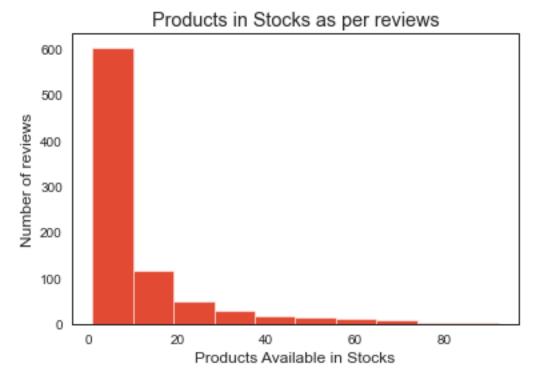
leaf\_category\_1 leaf\_category\_2 leaf\_category\_3

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

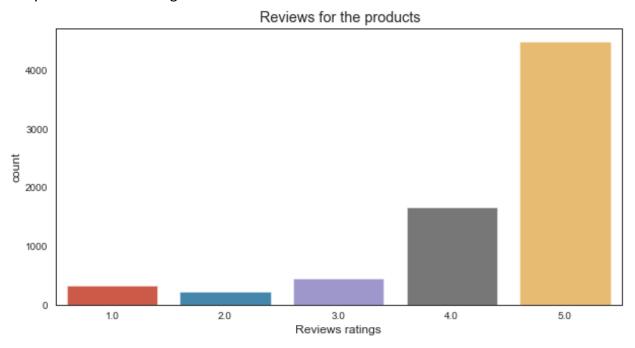






From Electronics Dataset,

#### 1. Analyzed the review ratings:



2. Analyzed top produts with Tableau:

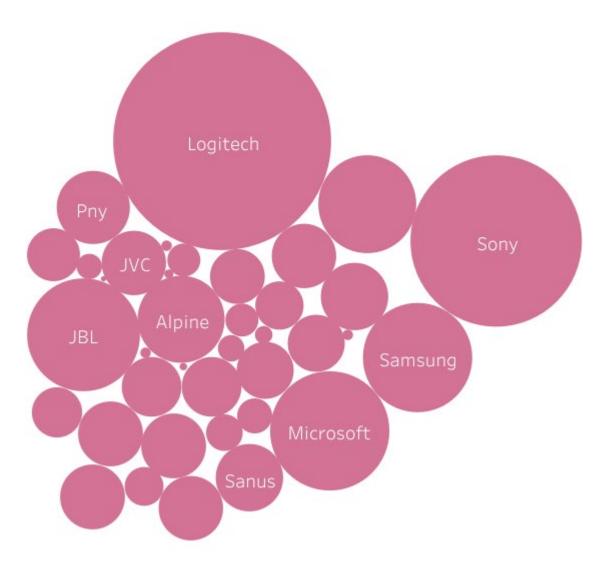
### Categories based on Ratings

Electronics, Accessories & Supplies, Audio & Video Accessories, Remote Controls & Accessories, TV & Video, TV Accessories, Remote Controls, TVs Entertainment, General		Desktop	Audio & Video		Reviews.Rating 5
	LED & LCD TVs,All				
		Portable Bluetooth			
Electronics,Computers,Computer Accessories,Keyboards, Mice & Joysticks,Keyboards,All	TV & Video,Media Streaming Players,New				
Portable Bluetooth Speakers,Audio Docks & Mini Speakers,Bluetooth & Wireless	Auto & Tires, Auto Electronics, Car				

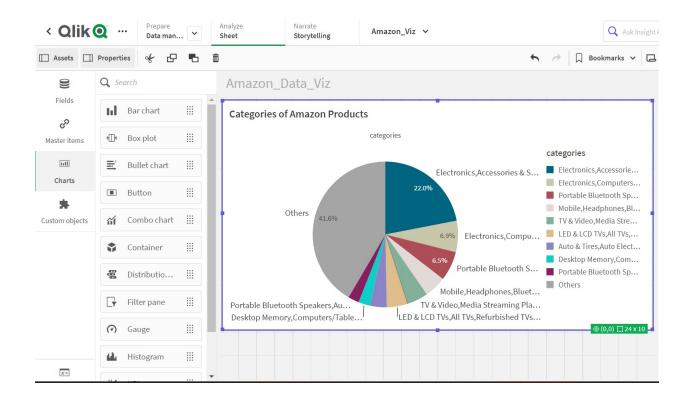
6,329

3. Analyzed different products based on brands with Tableau:

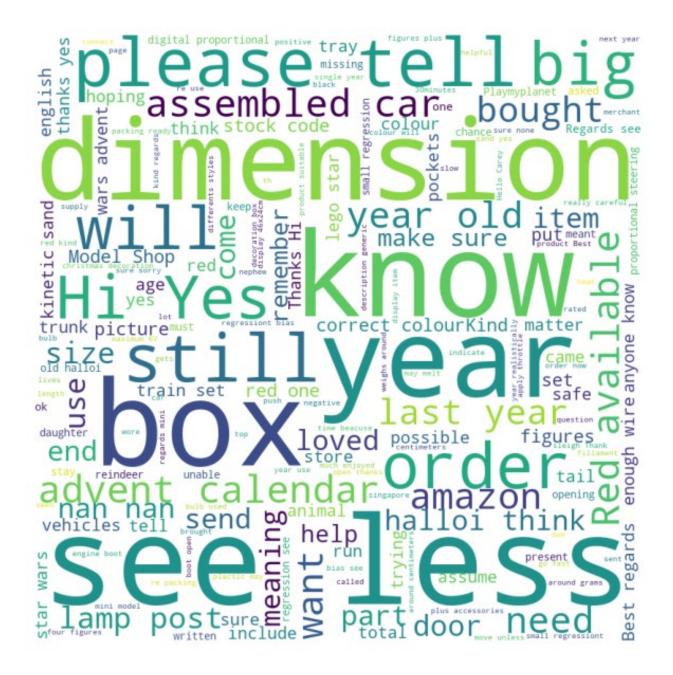
# Brands with number of categories



4. Analyzed different products with QlikSense:

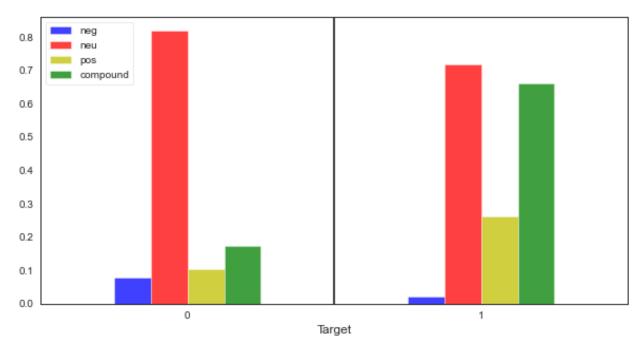


5. Analyzed based on customer question and answers:



6. Analyzed based on electronic products reviews:

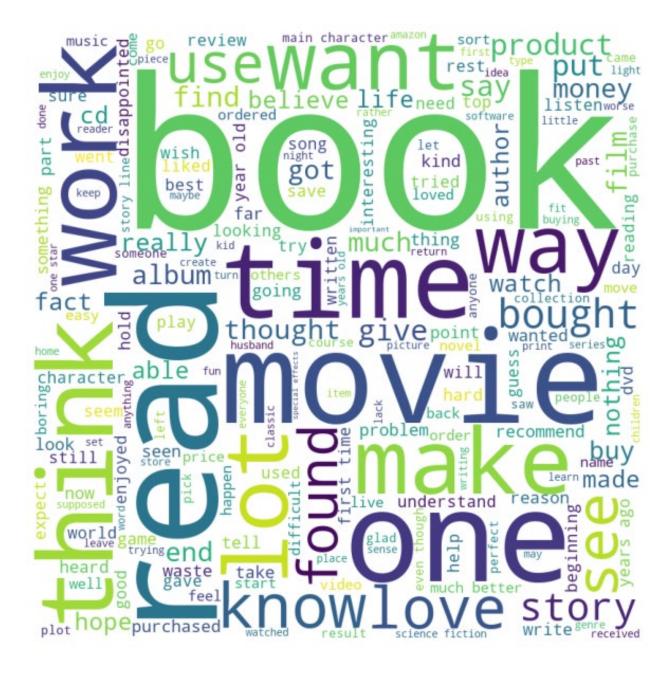
## Vader Sentiment Analysis



7. Analyzed based on elctronics products:



8. Analyzed based on reviews and comments of amazon data:



Finally Analysis on customer expectation, opinions and satisfaction on Amazon proucts of different categories.