This graph illustrates the difference in negative sentiment computed using dictionary approach where Filtered users are the top 75 users based on maximum eigenvector centrality. Other 75 users are randomly selected.

The graph does depicts a clear contrast in choice of negative word used by Filtered Vs Non Filtered users. Here the negative sentiment is averaged over 3k tweets downloaded for all the 75 users.

So P( x,y) = ΣSentiment of individual tweets/ Total no of tweets

Next we want to look at actual top 50 people who have lot of followers and find how their top negative sentiment looks like.