Project 4 Bonus report

**Zipf distribution of followers:** In this project we have simulated a Zipf distribution of followers. The simulation has been done based on the number of followers/subscribers for all active users. We take the maximum subscribers a user can have as an input parameter and the user with most number of followers are simulated to have those many number of subscribers, and the user with the second most number of followers had maximum subscribers/2 and the user which is third in rank having maximum subscribers/3 and so on. This has been implemented using a reduce algorithm and accumulators.

Here’s a graph depicting the Zipf distribution of followers in our simulation: