

### HW8 Question 3

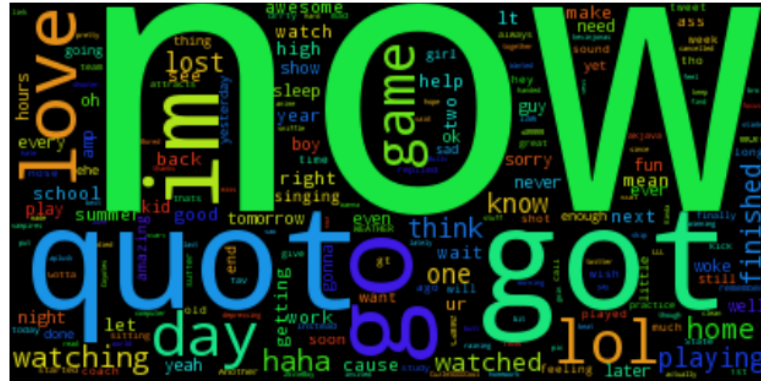
Cluster 0: The word cloud shows that **“quot”** is the highest frequency word in the tweet stored in 0<sup>th</sup> Cluster obtained from k-means. The order of frequency is **quot, good, feel=love, now=lol** etc. “=” is used to show that some words has near equal frequency within the cluster.



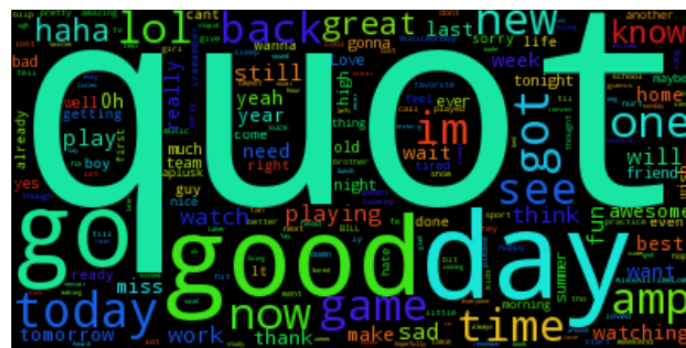
Cluster 1: The word cloud shows that **“love”** is the highest frequency word which is second highest in cluster 0. Other words in decreasing frequency are **love, going=haha=quot, game, im, now etc.**



Cluster 2: The word cloud shows that “**now**” is the highest frequency word which is also a member of the 1<sup>th</sup> Cluster but is not much of relevance. The decreasing order of the frequency are **now, got=quot=go, love, day, game, etc.**



Cluster 3: The highest frequency word is “**quot**”. So the centroid word is “quot” similar to 0<sup>th</sup> cluster. The decreasing order of the frequency are **quot, day, good, go, lol, today=now=game=time=new, etc.**



Cluster 4: The word cloud has “game” as the highest frequency word in this cluster. The decreasing order words in accordance with the frequency are **game, today, going, lost, watch=now=go, etc.**

