**10 Topic resulted from running topic modelling algorithm**

[(0, u'0.016\*like + 0.016\*just + 0.011\*love + 0.009\*want + 0.009\*peopl + 0.008\*one + 0.008\*know + 0.008\*day + 0.007\*time + 0.007\*make'),

(1, u'0.011\*just + 0.009\*thank + 0.008\*game + 0.007\*will + 0.007\*one + 0.007\*day + 0.007\*now + 0.007\*good + 0.006\*time + 0.006\*win'),

(2, u'0.058\*photo + 0.030\*post + 0.017\*facebook + 0.013\*harri + 0.010\*video + 0.008\*love + 0.008\*loui + 0.008\*album + 0.007\*day + 0.006\*pour'),

(3, u'0.027\*follow + 0.019\*dan + 0.018\*stat + 0.016\*one + 0.015\*music + 0.014\*check + 0.011\*automat + 0.010\*peopl + 0.010\*download + 0.009\*play'),

(4, u'0.345\*updat + 0.052\*con + 0.032\*como + 0.027\*del + 0.014\*hay + 0.011\*son + 0.010\*sin + 0.009\*soy + 0.008\*tan + 0.008\*solo'),

(5, u'0.084\*video + 0.077\*like + 0.023\*day + 0.017\*feel + 0.017\*rain + 0.016\*high + 0.016\*press + 0.016\*wind + 0.016\*low + 0.015\*temp'),

(6, u'0.006\*news + 0.004\*will + 0.004\*say + 0.004\*car + 0.003\*call + 0.003\*need + 0.003\*polic + 0.003\*time + 0.003\*year + 0.003\***kill'**),

(7, u'0.018\*like + 0.016\*fuck + 0.016\*shit + 0.011\*just + 0.009\*bitch + 0.009\*lmao + 0.008\*free + 0.008\*know + 0.008\*ass + 0.007\*girl'),

(8, u'0.006\*obama + 0.004\*use + 0.004\*read + 0.004\*great + 0.003\*food + 0.003\*chang + 0.003\*will + 0.003\*influenc + 0.003\*human + 0.003\*stori'),

(9, u'0.022\*love + 0.022\*tweet + 0.020\*vote + 0.012\*second + 0.012\*summer + 0.011\*collect + 0.011\*happi + 0.011\*thank + 0.010\*may + 0.010\*one')]

Figure 1Top 20 user with negative sentiment and their feature vector distribution

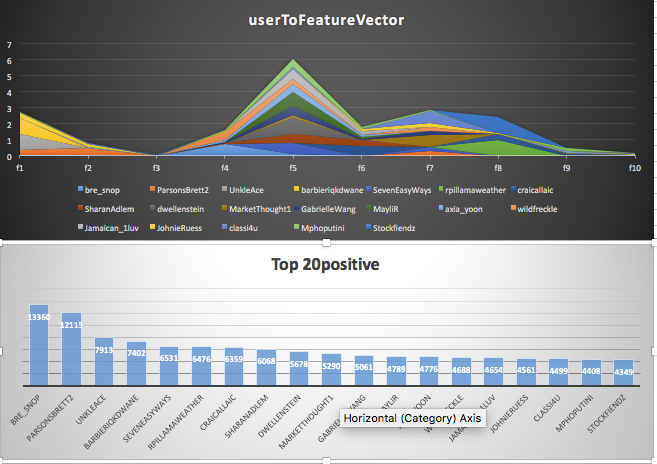


Figure 2Top 20 User with positive sentiment and their feature vector distribution

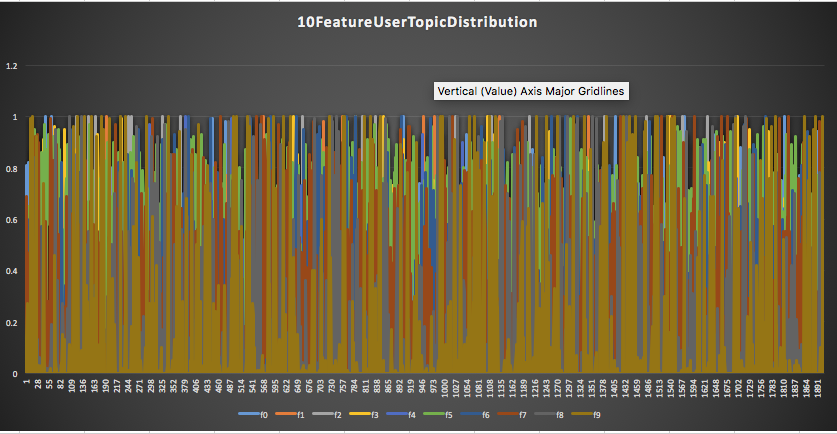
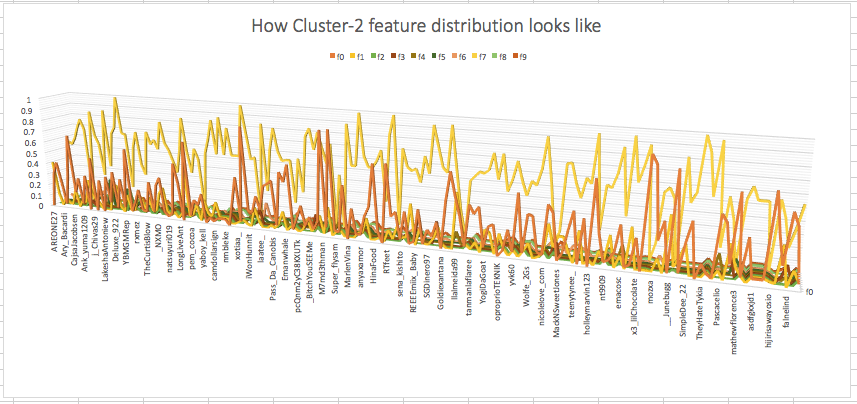
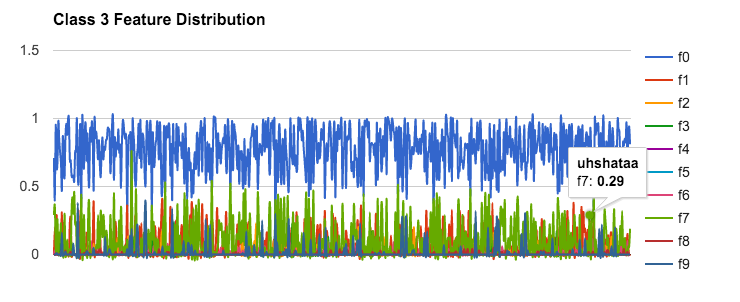
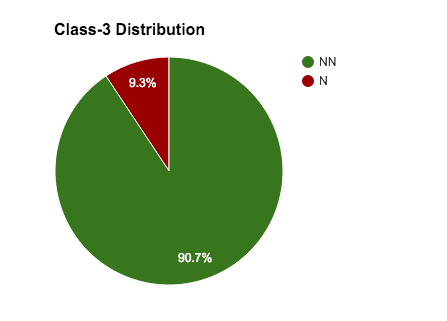
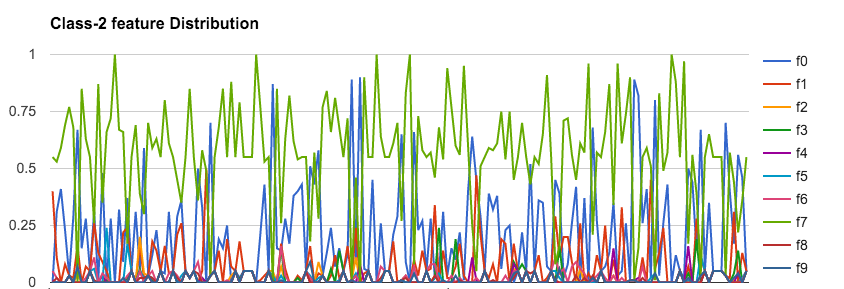


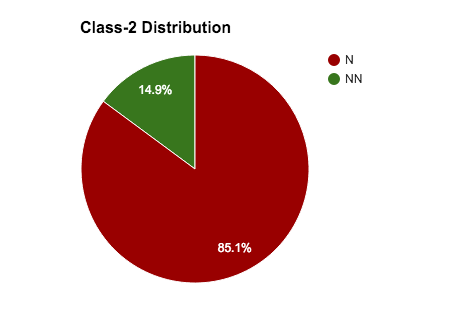
Figure 3OverAll distribution of 10 feature vector for 2000 users



Clustering: 







**Total N : For class 2 and 3 : 204**

**Total N in entire data set: 213**