Tendency Equation

" The equation depends on the **number** of Negative, Positive and Normal tweets and the **max tweet weight in each type of them as it has the highest weight** which has the most significant effect. "

**Conditions:**

1. All number between 0.0 - 1.0
2. if # of Negative tweets and Positive tweets == 0 THEN { **Tendency = 0 \* 100** }
3. if # of Negative tweets and Normal tweets == 0 THEN

**Tendency = (min(pos) "in results" - max(normal)"known”) \* 100**

**# means -> " number of "**

Testing

Assuming That we have only 10 Tweets as input

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| #Neg | #Pos | #Normal | Max(Neg) | Max(Pos) | Max(Normal) | Result % |
| 10 /10 | 0/10 | 0/10 | 0.68 | .3 | .1 | 68% |
| 0/10 | 10/10 | 0/10 | 0.68 | .3 | .1 | (.3-.29) \*100= 1% |
| 0/10 | 0/10 | 10/10 | 0.68 | .3 | .1 | 0% |
|  |  |  |  |  |  |  |
| 10/10 | 0/10 | 0/10 | 0.7 | .68 | .29 | 70% |
| 0/10 | 10/10 | 0/10 | 0.7 | .68 | .29 | (.3-.29) \*100= 1% |
| 0/10 | 0/10 | 10/10 | 0.7 | .68 | .29 | 0% |
|  |  |  |  |  |  |  |
| 5/10 | 3/10 | 2/10 | 0.68 | .3 | .1 | 41% |
| 2/10 | 3/10 | 5/10 | 0.68 | .3 | .1 | 17.6% |
| 3/10 | 5/10 | 2/10 | 0.68 | .3 | .1 | 33.4% |
|  |  |  |  |  |  |  |
| 5/10 | 3/10 | 2/10 | 0.7 | .68 | .29 | 49.6% |
| 2/10 | 3/10 | 5/10 | 0.7 | .68 | .29 | 19.9% |
| 3/10 | 5/10 | 2/10 | 0.7 | .68 | .29 | 49.2% |
| 8/10 | 2/10 | 0 | 0.7 | .6 | .29 | 68% |