shillscore calculation

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1 Shill Score Calculation

1.1 Parameters

- X performance

- Views: average views in last ... posts

- Likes: average likes in last ... posts

- Retweets: average retweets in last ... posts

- Reply: average reply count in last ... posts

- Shill performance

  - Average % to ATH after first post in 30D: ((ATH - price-at-post) * 100) / Price-at-post

  - Average % change at current price: ((Current-price - price-at-post) * 100) / Price-at-post

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1.2 Calculation

1.2.1 Min − Max Scaling

- Views:
    - $v = \frac{\text{average views} - \text{Min}(v)}{\text{Max}(v) - \text{Min}(v)}$
    - Min(v) = 100
    - Max(v) = 100,000

- Likes:
    - $l = \frac{\text{average likes} - \text{Min}(l)}{\text{Max}(l) - \text{Min}(l)}$
    - Min(l) = 10
    - Max(l) = 10,000

- Retweets:
    - $r = \frac{\text{average retweets} - \text{Min}(r)}{\text{Max}(r) - \text{Min}(r)}$
    - Min(r) = 10
    - Max(r) = 2,000

- Replies:
    - $rp = \frac{\text{average replies} - \text{Min}(rp)}{\text{Max}(rp) - \text{Min}(rp)}$
    - Min(rp) = 5
    - Max(rp) = 1,000

- % to ATH:
    - $ath = \frac{\text{average ATH} - \text{Min}(ath)}{\text{Max}(ath) - \text{Min}(ath)}$
    - Min(ath) = -90
    - Max(ath) = 10,000 (100x)

- % change at current price:
    - $c = \frac{\text{average \% change} - \text{Min}(c)}{\text{Max}(c) - \text{Min}(c)}$
    - Min(c) = -90
    - Max(c) = 10,000 (100x)

1.2.2 Weighted Raw Score

- raw $= v + 2l + 4r + rp + \frac{11+3ath+c}{4}$

1.2.3 Shill Score $(1 - 9999)$

- shill $= 9998 \cdot \text{raw} + 1$

1.3 Test Case

Parameter	Value	Min	Max	Scaled Value
views	10000	100	100000	0.099099099
likes	5000	10	10000	0.499499499
retweets	1000	5	2000	0.498746867
replies	100	5	1000	0.095477387
% to ATH	1000	-90	10000	0.10802775
% current	100	-90	10000	0.018830525

1.4 Calculations

Parameter	Formula	Result
raw	v + 2l + 4r + rp + (11 + 3ath + c)/4	2.00818545
shill	9998 * raw + 1	20087.83817