

Steven Tey @ steventey *Fri Mar 31 19:57:04 +0000 2023* Twitter just open-sourced their algorithm.

Some initial takeaways:

- ◆ Your following to follower ratio matters.
- @TwitterBlue subscribers do get a boost in the algorithm.

Will keep adding more to this thread

1. Your following-to-follower ratio matters.

Twitter's "Tweepcred" PageRank algorithm reduces the page rank of users who have a low number of followers but a high number of followings.

Source \downarrow

https://dub.sh/tweepcred

2. It looks like @TwitterBlue subscribers do get a boost in the algorithm.

Source \rightarrow https://dub.sh/twitter-blue-algo https://t.co/qzZx8nW8d9

88	
89	<pre>object BlueVerifiedAuthorInNetworkMultiplierParam</pre>
90	extends FSBoundedParam[Double](
91	<pre>name = "home_mixer_blue_verified_author_in_network_multiplier",</pre>
92	default = 4.0,
93	min = 0.0,
94	max = 100.0
95)
96	
97	<pre>object BlueVerifiedAuthorOutOfNetworkMultiplierParam</pre>
98	<pre>extends FSBoundedParam[Double](</pre>
99	<pre>name = "home_mixer_blue_verified_author_out_of_network_multiplier",</pre>
100	default = 2.0,
101	min = 0.0,
102	max = 100.0
103)
104	

3. Twitter identified 4 different user groups to track & compare how often their tweets are being impressed to users:

- Power users
- Democrat users
- Republican users
- ♦ @elonmusk

 $Source \rightarrow https://dub.sh/twitter-user-groups\ https://t.co/BoUOYTrP5o$



@elonmusk 4. There are a few factors that determine if your tweet will appear on someone's "For You" tab, mainly, the probability the user will:

- like/RT your tweet
- click into your tweet & reply/stay there for >2 mins
- ♦ check out your profile ■

Source \rightarrow https://dub.sh/twitter-for-you

5. Some negative feedback loops that will reduce your "reputation score" on Twitter:

- Getting blocked
- Getting muted
- Abuse reports
- Spam reports
- Unfollows (not as heavily penalized as the above 4 though)

Source \rightarrow https://dub.sh/negative-signals https://t.co/wg4QVTS1H9



6. To put these feedback loops in perspective:

A user clicking on your tweet staying there for >2 min is weighted 22x more than them just liking your tweet

If they click into your profile through your tweet & likes/replies to a tweet? 24x more than a like.

If they reply to... https://twitter.com/i/web/status/1641912142814117894

7. When needed, the government can intervene with the Twitter algorithm.

In fact, @TwitterEng even has a class for it - "GovernmentRequested"

 $Source \rightarrow https://dub.sh/twitter-gov-intervention\ https://t.co/YmavVJ8szi$

14	
15 🗸	def apply(
16	<pre>softInterventionDisplayType: SoftInterventionDisplayType</pre>
17): urt.SoftInterventionDisplayType =
18	<pre>softInterventionDisplayType match {</pre>
19	<pre>case GetTheLatest => urt.SoftInterventionDisplayType.GetTheLatest</pre>
20	<pre>case StayInformed => urt.SoftInterventionDisplayType.StayInformed</pre>
21	<pre>case Misleading => urt.SoftInterventionDisplayType.Misleading</pre>
22	<pre>case GovernmentRequested => urt.SoftInterventionDisplayType.GovernmentRequested</pre>
23	}
24	}

8. Presidential elections is also another big part of the Twitter Algorithm.

It can:

- Recommend election candidates to follow: https://dub.sh/twitter-gov-election
- Suppress misinformation during Election events: https://dub.sh/twitter-gov-election-msnfo https://t.co/XKFCf9ZvnH

186	
187	@Provides
188	@Singleton
189	<pre>@Named(GuiceNamedConstants.ELECTION_CANDIDATES_FETCHER)</pre>
190	<pre>def electionCandidatesFetcher(stratoClient: Client): Fetcher[String, Unit, Seq[Long]] =</pre>
191	<pre>stratoClient.fetcher[String, Unit, Seq[Long]](ElectionCandidatesPath)</pre>
192	
174	<pre>s.SafetyLabelType.MisinfoCovid19 -> Deprecated,</pre>
174 175	<pre>s.SafetyLabelType.MisinfoCovid19 -> Deprecated, s.SafetyLabelType.MsnfoBrazilianElection -> Deprecated,</pre>
175	<pre>s.SafetyLabelType MsnfoBrazilianElection -> Deprecated,</pre>
175 176	<pre>s.SafetyLabelType_MsnfoBrazilianElection -> Deprecated, s.SafetyLabelType_MsnfoCovid19Vaccine -> Deprecated,</pre>

9. So far, I've scoured both the Twitter Algorithm repos but I still haven't found anything about the following:

- ◆ If a tweet containing a link will be ranked lower
- If bookmarking a tweet will boost its rankings

It looks like these are more myths than facts but I'll report... https://twitter.com/i/web/status/1641994024121774081 10. In the current light ranking model (Earlybird), tweets with images & videos seem to get a nice 2x boost \rightarrow https://dub.sh/earlybird-media-boost

However, this is an old model that Twitter is planning to rebuild completely, so things might change \rightarrow https://dub.sh/earlybird https://t.co/hgZXR1xWz5

35	<pre>selfTweetBoost = 2.0,</pre>
36	<pre>tweetHasImageUrlBoost = 2.0,</pre>
37	<pre>tweetHasVideoUrlBoost = 2.0,</pre>
38	useUserLanguageInfo = true,