

apehistorian.com is live. incase of reddit outage or any need to check back and see what the sub has discovered - it will all be documented here.

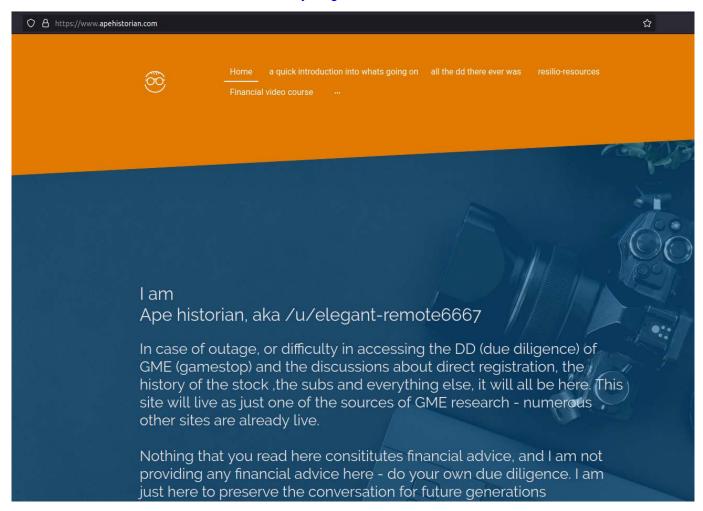
#### Education

Hello!

Edit- data now starting to populate ont he site After what seems like an age, I wanted to announce something exciting:

https://www.apehistorian.com/ is live. Its currently a work in progress but it is live.

The site is still under construction but it will house everything in due course.



The site is still under construction and I will be adding the following list of resources here:

- 1. all usefull external sites (from quiverquant to computershared.net to smithonstocks and everything in between)
- 2. full data dumps, lite version
  - a. list of gme articles
  - b. list of all posts
  - c. list of all sec filings

- d. list of all (i think useful) youtube videos
- e. list of all meme videos (posts and external)
- f. list of all other historic dd (due diligence that has been uncovered)
- 3. Full data dumps not lite version
  - a. in case of complete outage, as you know i am also preserving all the posts and comments for future generations.
  - b. In case Reddit goes bye bye during moass or for any other reason, the entire archive will be shared into the <u>apehistorian.com/resilio-resources</u> section (now called <a href="https://www.apehistorian.com/backup-resources">https://www.apehistorian.com/backup-resources</a>). TOrrent links and IPFS links will follow once i set it up.
- 4. and much much more.

I hope this provides a one stop shop to all the research that all apes have done, all the dd, all the memes, all the laughter, all the anger at the broken af system and all the materials that are currently being lost / forgotten through the sea of CS posts - not that they are bad.

As the site is still a work in progress i wanted to note 2 things - 1- I am paying for hosting and I am happy to pay for hosting as it stands. the site will remain online until at least 2025 at this rate. I will definitely let you know if there is a risk of the site being taken down due to me being unable to finance it - but currently thats unlikely.

2- The idea of the site is just to share knowledge - i am not looking for any fame or donations or anything at all. in fact if there is something on the site that looks wrong that somehow misrepresents this community - let me know via the comment section here or via my twitter or reddit chat. i will reply once i have a moment.

Happy fucking 2022 and I am happy to be a hodler amongst you all. I hope you are all fine and if you need to chat - leave a comment here - I will get back to you.

Ape historian.

### Ape Historian | POST 1 | a compilation of all collected posts | Work in progress

Good afternoon all wonderful apes!

As I mentioned, I have decided to document what the entire collection of DD. This database is updated daily, and currently looks at superstonk posts and DDintoGME posts. Now that my rig is back online after a PSU failure a few days back (thankfully just a PSU failure!)

This is a very early work in progress but I am hoping that if it is useful I can build out the pipeline to include more features, better breakdowns and so on and so forth.

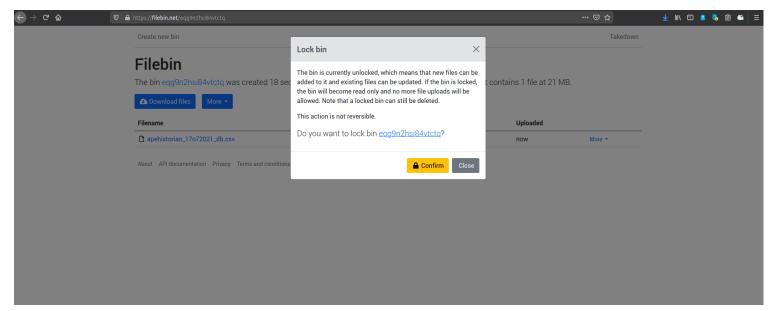
#### There are a few caveats here:

- 1. The data is not clean or perfect if the url starts with e.g. / r / superstonk the author name isnt correct I am looking into why that is and how to change that.
- 2. There are crap links! a lot of them. I have done a quick job at classifying some obvious ones into memes and pic, flagging specific subs and news.
- 3. You can filter by created date as well as author all the criands DDs and attobits dds are there of course
- 4. Comments arent currently collected for most of these
- 5. THERE ARE so much shitty memes and pics those have their own category you can see just how much shit there has been created.

### My plan:

- My plan for this is to flex my data skills (and hopefully learn something new): the pipeline of features is as below roughly in this order
- 1. Data cleanup
- 2. Past Post Topic detection and future classification of topics for new posts
- 3. Identification of top authors / users / potential shills, based on tactics, post history, post frequency post type and so on if sstonk had satori, its not that my plan is to singlehandedly recreate it, but I think some transparency into potential shill accounts, or low effort accounts is a fair game.
- 4. Comment extraction from these posts (possibly only the top 1000 due to limitations)
- 5. Classification and cleanup of the multiple news sources that have been spammed as of late across the sub.
- 6. Possibly adding tracking for other subs of interest (e.g. gme)

I will upload a csv file to filebin today(it expires in 3 days): here is the link for anyone who wants to already have a look. The bin will always be locked so no one else can upload fud shit in there but always verify the shasum below, just in case.



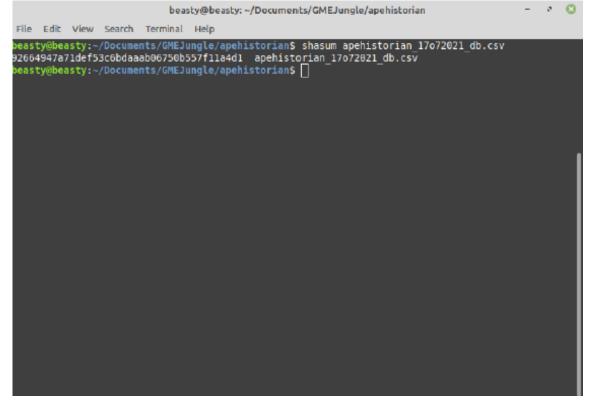
Filebin will always be locked

### URL: https://filebin.net/eqg9n2hsi84vtctq

If someone is aware of a better anonymous file upload service, that doesnt require registration to upload or download, **please let me know!** 

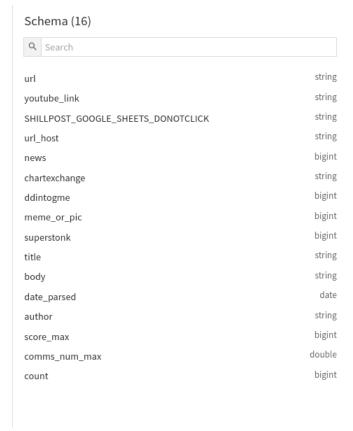
TLDR-always verify files from the internet. attaching a shasum

shasum:92664947a71def53c6bdaaab06750b557f11a4d1



shasum: 92664947a71def53c6bdaaab06750b557f11a4d1

if anyone is interested, the schema to the file is:



I will clean up the column names into better categories once / if this is useful

I would be very open to hear opinions about this, whether this is useful, and whether it is not.

There is no sub / mod rule at the moment for something like this , so <u>u/pinkcatonacid</u>, feel free to ping me / comment if you have feedback.

### Ape Historian | Post 2

Ape Historian here,

Tldr- I believe there is a major campaign of new users trolling the subs and it's my intention to have a deeper look into the users across the subs to see if anything juicy comes up. Treat it as DD on the DD.

My previous post, (link at the bottom) has got me interested in a fair few thought processes around the users that we have.

This post will be a summary of essentially all the other posts that have already been done and dusted and will try to think through the potential attack that the subreddits are under - whether by foolish decision making or a targetted approach.

It is possible that the subs in question have been under repeated attack and are under repeated attack as we speak.

I would like to bring in some musings on game theory, especially in the concept of finite and infinite games (there is a great book on the subject with the same name, by James Carse)

I think in its most simples of summaries it hinges on 2 logical assumptions.

if we have player A who has a finite time horizon and think on a finite time horizon (e.g. how to survive one more day) they may not necessarily choose the best course of action in the long term. Their strategies may be extremely effective, possibly even optimal in the short term, but there is no guarantee that they would in fact be able to make a series of longterm decisions.

A player B on the other hand, of course is still bound by time, but if he takes the "infinite approach", of a game with an indeterminate amount of steps, he will try to optimise the best course of action for the long term. and while his initial strategy may not be optimal in the short term, it will win in the long term.

A real example here that we can all resonate to:

1. objective: get more money. Options: Saving 10\$ per day (case A) n expenses versus spending 10\$ per day on educational material that would form new wrikles.

In case A, the actual action may be optimal, easy and quick to do and does achieve the objective, however vague it is. However, with accurate application of option B, learning new things, one may potentially be able to unlock better job opportunites, a bonus or a promotion: note the payoff for even a 1000\$ one time bonus is equivalent to 100 days of saving.

It is my speculation, and it is pure speculation at the mometn that it is quite possible that the hedgies are operating in a myopic view, with potential long term strategies that we may not be aware of, and i as an individual investor is operating in a long term view - If i have to wait for 10 years, i will wait for 10 years. If I have to wait for another week, I will wait for another week - for myself the optimal choice is to follow my current strategy that I have been following in the past 6 months odd and continue to educate myself and research into this wonderful phenomenon.

PS: link to first

post: https://www.reddit.com/r/GMEJungle/comments/ombzoz/ape historian post 1 a compilation of all/

### Ape Historian | Post 3 | Graphing the meme spread of the other sub

### Opinion DD

Evening everyone.

Tldr- satori was released end of may start of June. Is it the reason for meme flooding in the graph? Maybe, maybe not. Still looking.

I've marked this as **opinion DD** because i am not sure if this counts as true GME DD - this is more of an overview of the sub right now and it will stay with the yellow flair for a little while until something else happens.

I am providing all this info below because right now I cant look at it, but there are 60,000 wrinkles that may want extra wrinkles. so I am providing the data anyway.

I dont want to go into great posts of grandeur or anything like this in these series of posts- this will be always as short as need be for me to get my point across without cutting corners.

#### Post 1: where it all starts

So without cutting corners: what has happened since Post 1 (aka when I could fucking post this again despite trying to get it through the stonkbot like 10 fucking times).

#### Data caveats

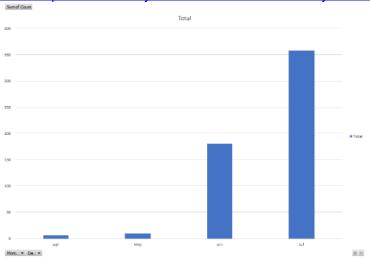
Caveat: This is not the FULL dump of the data, just the part of the data that I could get and get started with. The full part of the data is going to need A LOT more cleaning to get to the bottom of this fuckery.

But here goes: the methodology is to collect the top 1000 "hot", and "new" posts every day from our beloved subs, and see what we can find eh? for now, we have tens of thousands of posts in the database, all saved against shills trying to pull the plug and deleting their posts to hide.

Method: i used the above data, marked all accounts that would post links to imgur and giphy and other meme destinations but not real posts with real text, and then used that list of authors to filter the main database to see where else they also posted.

First for everything that you all felt but couldn't quantify:

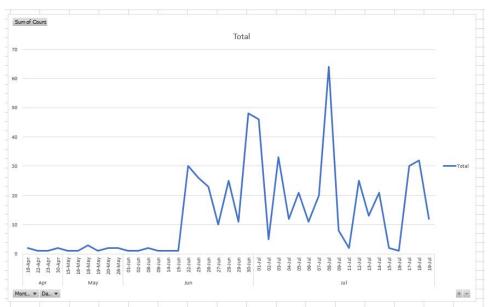
This is the amount of \"meme\" posts from my tiny ass sample of 800 odd accounts that i marked as \"meme posters\". people who mainly posted memes. its up 35 fold. It may be well off but its at the very least up magnitudes above may.



Caveat 2- these numbers don't yet count for the organic growth of the sub - it went from 250k to 500k if i recall correctly before the shitstorm. but for all keen eyed - its a 35X fold increase in memes from May to July.

Here is the dailybrea down of the same meme posters:

### See the spike?



Ive been analysing data for half a decade now and i know whats interesting to me here - the growth on the 15th June, 30th june to july, 7th-8th july and 17th july - (oh wait, i know what that is.)

### Potential shill / memer / someone having fun

There is another interesting phenomenon that i noticed, and the user name is redacted here, because a i dont yet know if he / she just likes memes and got bored, is a or is not a shill, got their account hacked, or suddenly decided to do something else.

(boots up windows vm on the monster machine to open excel again, yes his name is beasty\*\*,\*\* because its a fucking beast and will be even more powerful in the next couple of months to handle the rest of this project)

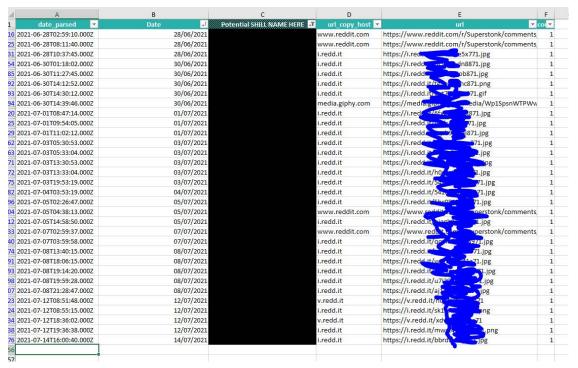
Something interesting: one particular meme poster: 3 year old account, 100k Karma. Now, its perfectly feasible that since i did it every day or so and perhaps missed a few days before i may have missed his posting time or missed him entirely in june or july. But here is the breakdown of one of the top memers in the sample:

This 3 year old account comes out of nowfucking where and posts 8 times in june, fine, but 24! 24 times in july. how?

why? for what purpose? its all exclusively memes.

	<b>Row Labels</b>	*	Count of url_copy_l	nost
	∃Jun			8
	28-Jun			3
	30-Jun			5
	∃Jul			24
	01-Jul			3
	03-Jul			5
)	04-Jul			1
1	05-Jul			3
1 2 3	07-Jul			2
3	08-Jul			5
4	12-Jul			4
5	14-Jul			1
5	<b>Grand Total</b>			32

here is a preview of it in an export. Yes i scrubbed the links out so just in case that aint a shill and is just someone having fun to keep sane with this fuckery. I don't have proof I am not going to name and shame anyone. Its just strange to me why the sudden uptick in july.



Thats it from me for now, as you have seen in post 1, its all very early beginning and I have a lot of data to sift through- i am very open to suggestions on what and where to look into and how to approach this.

and here it is if you

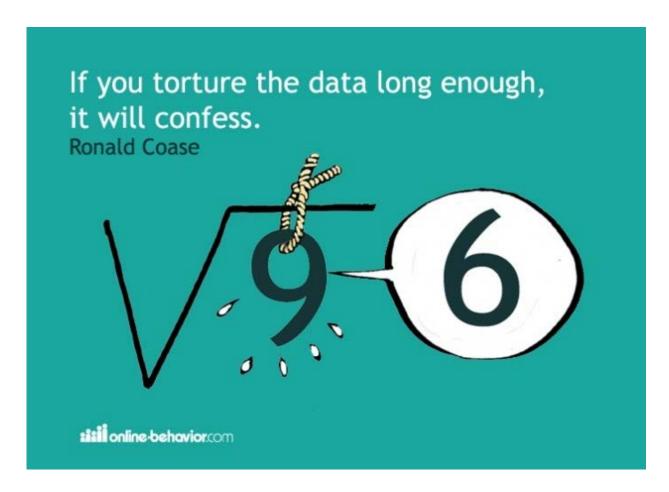
havent: https://www.reddit.com/r/GMEJungle/comments/ombzoz/ape historian post 1 a compilation of all/

For now, here is my **todolist**, so if I dont post or message, I am probably doing one of these things:

1. Personal life outside the sub, getting enough sleep and not going crazy. and

#### The Ape historian:

- 1. Figuring out how to effectivley store, analyse and process text video and image data (meme posts, all the shitty screenshot posts that everyone kept posting i want to find if that was SUS or helpful what types of users were being posted there? who knows? who checked?)
- 2. Buying a second server for storage. buying drves for the server
- 3. Upgrading my ssd raid array because i cant store the intermediate files for analysis if i am going to analyse (1).
- 4. the entire todolist in Post 1.
- 5. Developing methods to potentially flag fuddy posts based on metrics so i dont have to deepdive into each account in the database metrics that everyone knows and are not a "oh this is a satori deep learning thing that i don't know how the fuck it works" tool not shitting on satori it may be great. but i don't have proof of it if anyone who made satori, show me the ROC curve or any other metrics of it detecting shill accounts versus non shill accounts. allow us to have a demo of a webpage where i can post fud and get a feedback if satori though that was fud or not. because at this rate it may have as well stopped real users from posting real articles and allowed memes. I am sorry that's what i am getting from my tiny ass sample above.



Adding in a few fellow apes at the bottom who said they would like to be added in when i posted:

/u/sig40cal

### Ape Historian | Post 4 | Ape historian update - visualising memeposting

### Opinion DD

Ape historian here,

I have been looking into the data again. This time, I wanted to see what the actual differences were between meme posters and non meme posters. Data that you see here is data that was collected across all subs: r/GMEJungle, r/Superstonk, r/DDintoGME and r/GME all combined into one massive database

My hypotheses were these:

- 1. memes arent a bad thing but may be very spammy: how did meme posts behave over time
- 2. authors who post memes arent necessarily bad. how many authors really do post just memes? (answer: actually, A LOT!)

the rest of my spare time recently I've just spent the time getting more data and setting up a more robust infrastructure.

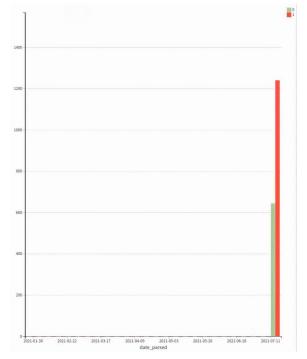
The additions are:

- 1. Daily backups of the entire project
- 2. New software and pretty graphing capabilities (because excel doesnt do this data justice tbh)
- 3. a lot of time spent thinking about how the hell to vet the users: thanks <u>/u/RogueMaven</u> for pointing me to <a href="https://redditmetis.com/">https://redditmetis.com/</a>, but at the moment i am not convinced of its capabilities, perhaps useful for collecting karma and account age though, perhaps I can spot check some of the results further.

### TLDR:

Posts by week, from January to July: meme posts vs non meme posts, visualised: (0=not a meme, but not necessarily

non-fud / non-spammy content.



Meme vs non meme: in meme-worthy gif format (each movement of the bar is one day, each next bar is the following week)

# See what happens: it both spikes, as if, as if its a competition between the two? (maybe, that's my way of looking at it)

Since the start of June BOTH mems and non memes shoot up. Perhaps its due to some sort increased activity. But I am not yet convinced. Logically, if the posts were driven by some events, it should lead to more comments and upvotes and discussion.

I do find it a little strange that on the days when content was published en masse, memes overpowered that content somehow. I will need to classify the "non-meme" content further to see how difficult would it have been to see good quality discussion during those peaks. What do you think?

We dig a bit deeper.

### Overlaps between meme posters and non-meme posters

I pulled all accounts and split them in between memeposters and nonmemeposters. The results are interesting and not yet conclusive

### Total Authors:11,401

The overlap of total between memers and non memers is just **20.5**%, or **2342** authors. So authors who both write DD and post memes are a small minority - but they do exist.

most importantly, there are **9,059** authors who belong to either of the two groups: meme posts or non memeposters.

Which leaves... 4925 authors who posted just memes from my dataset. The questions that I want to answer, based on the most interesting chart above:

- 1. who are these accounts, are they young, high karma, low karma etc.
- 2. what memes do they post (i have the links, but i really need to develop some classification not to look at 500 old kenny memes for the sake of analysis)
- 3. Have these users interacted with ANY content at all? have they cross posted posts to other subs?

TLDR: Watch the **gif** - green is non meme and potentially useful content across the 4 subs, red is meme content. Memes have OVERTAKEN non-meme posts across ALL subs multiple times during the last few weeks. My interest is to find out why.

<u>/u/BodySurfDan</u> you wanted to see the next iteration of this based on your prior comment to me? Let me know if not and I wont tag you in these again.

Caveats: every day, there is between 1,000-3,000 new posts being added to the database. there is absolutely no way i can analyse them all manually. over the next following days I will be looking into to adding NLP functionality (natural language processing aka making machines read text) as well as image OCR / image processing to understand what the fuck was posted during those spikes.

I will keep digging

Ape historian

## Post 5 | update on the data availability + beginning comments analysis

Resource

Hi all,

### Reddit posts update:

had a very busy evening, didnt really look into the dip yet. Been busy getting a lot more data for our beloved sub and other subs: ie those are <u>r/GME r/DDintoGME r/Superstonk</u> and of course the <u>r/GMEJungle</u>.

just an FYI I tweaked my methodology, we have closer to 12k posts across our sub now, with a total of 300k+ posts across the 4 subs which is definitely a nice big shift from the 40k that I did in a month!

This lines up a lot closer to some of the metrics ive been seeing and puts our total posts availability close to 80-90%, so an improvement!

I will continue checking if we do indeed have any more content, but as this all started on the WSB (which is now full of shitposts) it would be intersting to capture the transition.

my previous limit of just 40k posts was due to a combination of a different approach (handling off multiple requests to better written code) and a bit of patience in merging all previous historic data with this new dataset.

### Comments update!

As some of you may know, I wanted to get started in analysing comments on reddit to answer a fair few important topics:

- 1. Is forum / comment sliding occurring for posts
- 2. can we spot shill accounts based on their post history (e.g. commenting the same thing across multiple posts
- 3. can we spot shill accounts with SIMILAR looking usernames: e.g. elk1,elk2, elk3,elk4 and so on.
- 4. Who actually has the best flair on GMEJungle?

Let me know in the comments below if this is something that you may find useful / interesting to know.

#### **WSB: Comments and Posts:**

I also thought it might be an intersting idea to compare WSB and other subs by content so i am collecting the last half a milly posts and the last 5 milly comments (yes, 5,000,000 gotta get used to those zeroes eh? :-) at the moment for further analysis.

This will probably take the rest of the evening / tomorrow morning so ill be able to start looking into it over the weekend.

### EDIT:

THere are actually 40 MILLION comments on wsb and god knows how many (likely much less) across other subs.



surprised data nerd face

### Post 6 | Ape historian | to all people asking where the "DD" is. Here is a dump

Resource

Hi all,

Here are the 4 files with the current breakdowns so far: we have the shasum png so you can verify that what you are downloading is what I am uploading. You also have 3 files.

One covering all dd authors in descending order, so you can see who posted most and look at those. Or not. THe other one is a collection of all the permalinks to all the DD that I have found (1350 total DD's so far. Not BAD for 6 months i think!). and you'll find a list of all shitadel&co related posts, just in case they are for some reason being downvoted - again with permalinks so you dont have to go hunting for them.

Note that I had to switch my upload provider due to size constraints and because this one seem much nicer. the new uploads are protected by a pw which is:myflair above, all lowercase, no spaces no weird chars.

#### THE LINKS

https://upload.disroot.org/r/8TwzJMvo#jFGTwTbJYMZPePbou8v+ZYUI/86qzdtEOTCAj2uwe78=

https://upload.disroot.org/r/A8Xyyp4r#HsquZ54zGpi860ejp8ZNaob8HkrFl7nhlhClji+/t04=

https://upload.disroot.org/r/a6w14RrL#mVg4sKo7NfwCMktP2m8iEfAs6N/wCbRqUMBlbfwLGfs=

https://upload.disroot.org/r/GPqErxRm#pd8OugDGE7fQ4F3MOzwuS3TLflGXIWBZrYdzsVb6oc4=

/u/BodySurfDan

/u/toderdi1337

/u/RogueMaven

/u/TimeArachnid

In the meantime I am continuing to work on classifying all our lovely posts and seeing if we can extract anything juicy off of there. I will keep you posted

Ape historian

### Post 8: I did a thing - i backed up the subs. and the comments and all the memes

Resource

Hello,

Ape historian here.

I know ive been a way for a loong time, but i am going to make a post about what has been happening.

The first things is that the data ingestion process has now completed.



We have some nice juicy progress, and nice juicy data. There is still a mountain of work to do and i know this post will get downvoted to shit. EDIT: wow actually the shills didnt manage to kill this one!

Point 1: I have all the GME subs and all the submissions. Yeah. ALL. OF THEM.

- Superstonk
- DDintoGME
- GME
- GMEJungle
- AND wallstreetbets

Why the wallstreet bets you might ask? because of point 2. The ammount of data that we have: and oh apes do we have A LOT!

subreddit	num_comments_s
string	float
Text	Decimal
	18.0
DDintoGME	90448.0
GME	6403039.0
GMEJungle	295159.0
Superstonk	9485817.0

6 millies for GME, 300k for the GME sub, 9millies for superstonk. and (still processing 44! Million for wallstreet bets!)

so why is the chart above important?

#### Point 2: Because i also downloaded all the comments for all those subs

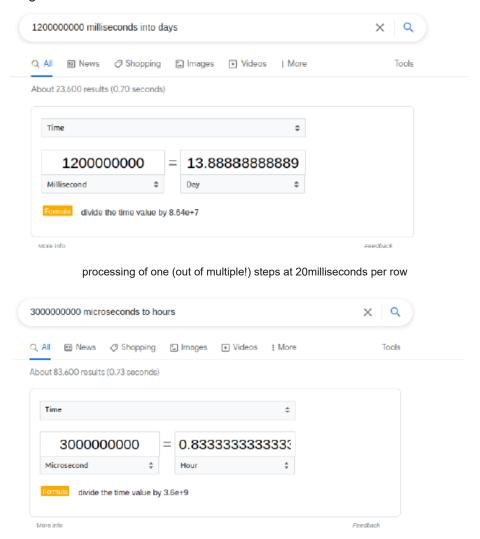
**Point 3:** The prelinary word classification has been done and the next steps are on the way and we have 1.4Million potential key words and phrases. that have been extracted

Now for anyone who is following, we have ~800k posts, around 60 million comments and each of those have to be classified.

Each post and comment may and does have a subset of those 1.4Million keywords in there that we need to identify.

The only problem is is that with standard approaches, checking millions of rows of text against specific keywords takes a long long time, and i have been working on figuring out how to get the processing time down from ~20-50 milliseconds per row to the microsecond scale - which funnily enough took about 3 days.

We have all seen comparison of million and billion. now here is the difference in processessing time if i said 20milliseconds is fast enough.



Same dataset but now at ~20 microseconds per row processing time

But we are there now!

**Point 5: we have a definitive list of authors:** across both comments and posts, by post type, and soon by comment sentiment and comment type

original_dataset	count	
string Text	bigint Integer	
comments	155870	0
submissions	85019	9

total number of authors across comments and posts across all subs- as you can see we have some lurkers! Note that some of those authors have posted literally hundreds of times, so its important to be aware of that.

### My next plan of action:

the first few steps in the process have been completed. I now have more than enough data to work with.

I would be keen to hear back from you if you have specific questions.

Here is my though process for the next steps:

- 1. run further NLP processes to extract hedge fund names, and discussions about hedgies in general
- 2. complete analysis on the classified posts and comments to try to group people together do a certain number of apes talk about a specific point can we use this methodology to detect shills if a certain account keeps talking about "selling GME" or something like this.
- 3. Run sentiment analysis on the comments to identify if specific users are being overly negative or positive.
- 4. And any suggestions that you may have as well!

# Post 9 | here come the memes (torrent 1)

### Resource

After the short success of my previous post, here are all the memes.

Please note that they **havent** been checked **whether they are NSFW or not**, so proceed with caution please.

here is the magnet link: magnet:?

xt=urn:btih:05df0c8603753cb57a5a658aba4dd88739494910&dn=allthememes%5Fpictures

Here is the second magnet link with the video and gifs as well - some jpegs came through also: magnet:? xt=urn:btih:07d6a19333a66d158356f0514e2714de0bf2d6ee&dn=allthememes

Ape historian

Post 10: so i wanted to see if a sample of comments and posts can have bullish results. they did. very much for me.

Resource

Evening here,

Ape historian here.

For the first point, I would like to share that the two meme torrents are available via the two links below: if you do manage to connect and if you do like the content please seed. if not, I will be turning these off in a week or two from 24h operation.

Compulsory meme:



magnet:?xt=urn:btih:07d6a19333a66d158356f0514e2714de0bf2d6ee&dn=allthememes

magnet:?xt=urn:btih:05df0c8603753cb57a5a658aba4dd88739494910&dn=allthememes%5Fpictures

# Are apes still buying the juicy dip?

I took a sample of the comments that I have across the stonk subs and did a very quick and dirty query to see if apes are

buying the dip.

For this i used just 8m comments that i have that were easily available and very stupidly filtered "bought more", "bought the dip", and variations of "added more". there is a massive caveat here because:

- 1. it doesnt take into account people posting photos of buying the dip with a snarky / sarcastic comment
- 2. it doesnt include terms such as loaded up, sold my house, sold my car to buy more etc etc. I am keeping things as simple as i can right now because its almost midnight over at my side of the world and i don't want to get things wrong.
- 3. The data is still a sample, as the rest of the dataset is processing

year_month	count	
string	bigint	
Date (unparsed)	Integer	
		4
2021-3	1	
2021-4	4479	
2021-5	6297	
2021-6	7092	
2021-7	2932	

we've been buying the dip pretty fucking consistently since around april time. July data hasn't yet fully processed so that number may well change, and august data hasnt even yet started processing in full just yet.

We just had a dip and god knows just how many apes rejoiced at that - ill have the full data on the weekend.

I call the very basic visual above fucking bullish.

Lets dig deeper.



lets look at the post titles themselves to see if there is any evidence of juicy dip buying.

### Sample of total Posts: 700k

I also decided to apply the same methology to posts:

year-month	count	
string	bigint	
Date (unparsed)	Integer	
2021-1		22
2021-2		212
2021-3		343
2021-4		295
2021-5		350
2021-6		363
2021-7		223
2021-8		35

please remember that this is a sample, it doesnt mean that just ~2000 people bought the dip in the last 6 months.

### Wut mean?

This very quick and dirty analysis is purely an indication of how often do people buy the dip who actually buy the dip. Remember that

- 1. both approaches are samples
- 2. not every ape says they bought more and the posts on reddit
- 3. even for those who do this methodology doesnt capture image posts for orders, or sarcastic posts showing orders (no mayo taunting for example)
- 4. This does not break down **the size of the trades:** if average buying is say 3 shares per ape in june but 20 shares per ape in july, the lower numbers in july will outgun the june dip buying.
- 5. This methodology doesnt also include all the terms: apes: let me know what terms you use to oook ook! would be glad not to spend hours finding out for myself.

### Project status update and advice needed:

I hit a small snag. well actually a big one. my ssd array ran out of space mid processing so i am now waiting for both new sata cables, as well as a stonking new pack of SSDs to be able to continue. For anyone curious: the project now has ~170 datasets, with each dataset leading to a certain part of analysis / experimentation- this combines both phase 1 AND phase 2 analysis.

What is phase 2? I am trying to collect something quite big to hopefully deliver some sexy charts, juicy visuals and most importantly possibly a proof of just how many shills were / are among us.

But the files sizes are making me and my machine cry a little. I wiped of 6% of all of my SSD's lifetime in what 2 weeks with the writes. but we keep going.

Phase 1 of the project is what i posted about earlier - those were the backups. I am now extending this functionality to a much deeper level to enable me to do some very cool analysis. but for this i need to collect more data, which I thankfully have done so. The problem is these datasets are massive.

thats june data for the bigger phase 2 of the project. Yep. 120GB+ of just june data.

As I mentioned above my ssd array is almost full and I am waiting for reinforcements to continue the project.

I am considering either a series of Samsung 8tb QVO drives or a mix of NVME drives (WD Black, the fast pcie gen 4 ones). what are your opinions on those?

I also found this company <a href="https://nimbusdata.com/products/exadrive/specifications/">https://nimbusdata.com/products/exadrive/specifications/</a>, but these are incredibly expensive and are truly post MOASS hardware.

Does anyone have any recommendations on whether there are cheaper ssds available?

Ape Historian

Update to "i did a thing": to all shills- your time is numbered. I have the last 3 years worth of reddit data.

Resource

Hello everyone,

ape historian here.

Now usually this sort of title would definitely be classed as "click bait", but this time around its not. I decided to start documenting the subreddits that have anything to do with GME.

I then realised that to prove / disprove brigading, spam, authors purposefully reaching out to other subs and spreading the subs names, we have to actually find a way to read all that.

So thats what i did: I now have the last ~3 years of reddit data, both posts and comments. This has achieved 2 primary things.

### The data: a small intro / rant

1-we now have data to prove / disprove / find facts and fud that was spread.

2-The purpose of this work is that it can be completely verifiable by anyone who wishes to recreate the analysis, if they ever wanted to confirm that the files that I have downloaded are legit reddit files and not randomly made up files.

and 2.1 - I have lost a tiny bit of faith if anyone tries to build a reddit bot for any reason and then turns around with:



"We DoNT haVE enOUGh DaTa to do X,Y,Z".

slightly off topic but if you dont have enough data at this point it can mean three things:

- 1. You are using outdated hardware and dont wish to upgrade
- 2. You have not done the research when it comes to large scale projects and dont want to look
- 3. you are cutting major corners / are lazy / dont want to look for better solutions
- 4. the bot you are building doesnt do what you say it does.
- 5. the bot you are building is limited by an api limit that you dont control

### For those who are intersted- my rig that was used to create these datasets:

From my understanding, my rig would be considered "pretty powerful" and at the cusp between "gaming pc" and and workstation/server grade performance, but certainly still affordable by many and not outside the realm of hobbyists and gamers.

### **Storage**

The entire analysis, and all the data are stored on an ancient hp microserver, which is now 11 years old. The data lives on 5 drives and 2 ssd arrays, depending on the speed of data access required. i backup weekly now, as the project is several TB large at the moment.

**Ram:** 64gb DDR4, 2TB nvme as swap (with heatsink), in those moments when i ran out of RAM. may upgrade ram later, not sure.

**Cooling:** my pride and joy - noctua heatsink NHD15 (with twin noctua fans and with mx2 thermal paste for cpu), with 4 bequiet fans for intake (1 for exhaust). The entire system was designed that in case of catastrophic failure and loss of both cpu fans and half the intake fans, the system would not overheat. Indeed, the highest temps i've seen were 82c in a 32c room (heatwave). **for anyone building a new pc post moass can definitely recommend this cooling setup - it really really works.** 

**Processor:** ryzen 3700x 8 core (16 thread): i actually got a very nice unit as it benches about 15% faster than the average benchmarks, and if i spin up all fans to max (jet engine sounds) then its 15-20% faster still. No overclock.

Case: fractal design define s with sound deafening panels, not the glass side wall edition.

**GPU: GTX1660:** by no means the most powerful card, I got it to guarantee that it will drive my monitors with no issues. In fact it rarely spins up its fans as i don't really use it much

**Powersupply:** bequiet darkpower 11 pro (somewhere in germany under warranty repair by now). its replacement is the bequiet dark power 12 850W.

Let me know in the comments what you think - i am pretty sure people will have much more powerful rigs at their disposal, especially if you do video work or simulations. I originally built this rig to get better at programming and data analysis but realised it can do so much more.

Cue sexy ass charts as below:

					S	yst	em Monit	or			
				Proces	sses	Re	sources	File System	ns		
User	Status	Virtual Memo	Resident Memo	Shared Memory	% CPU		ID	Memory	Disk read total	~	Disk write total
beasty	Running	18.1 GiB	3.6 GiB	20.4 MiB	,	0	4423	3.6 GiB		8.0 TiB	33.5 GiB
beasty	Sleeping	1.3 GiB	284.1 MiB	25.5 MiB		0	5196	258.5 MiB		3.2 TiB	1.7 TiB
beasty	Sleeping	6.8 GiB	1.0 GiB	23.2 MiB		0	9632	1017.6 MiB		2.4 TiB	249.5 MiB
beasty	Sleeping	15.7 MiB	6.4 MiB	3.2 MiB		0	23278	3.2 MiB		1.4 TiB	12.0 KiB
beasty	Sleeping	15.7 MiB	5.6 MiB	2.4 MiB		0	12124	3.2 MiB		99.6 GiB	1.4 TiB
beasty	Sleeping	6.5 GiB	953.1 MiB	19.1 MiB		0	10287	934.0 MiB		23.9 GiB	273.1 MiB
beasty	Running	800.3 MiB	65.2 MiB	15.5 MiB		0	5112	49.8 MiB		21.5 GiB	64.0 KiB

8tb read in. 8tb... so far.

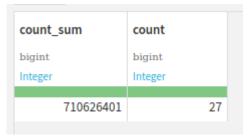
# Getting to data availability for our research: posts and comments

Dear shills. I know you have been posting fud around multiple reddits. I also know, that if the discussions between the normal people are correct you have indeed been brigading multiple subs across reddit to try to get the voices of retail shut down. well, i have something to say - your move bleatches, we have you on "camera" so to speak.

#### Posts:

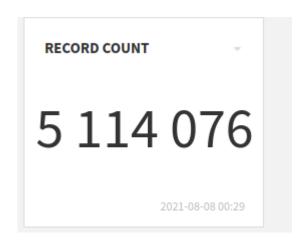
original_dataset	count
string	bigint
Date (unparsed)	Integer
reddit_posts_2019_04	18310157
reddit_posts_2019_05	19456493
reddit_posts_2019_06	19731676
reddit_posts_2019_07	20768578
reddit_posts_2019_08	21927461
reddit_posts_2019_09	20713273
reddit_posts_2019_10	21695713
reddit_posts_2019_11	21243315
reddit_posts_2019_12	21217847
reddit_posts_2020_01	21989643
reddit_posts_2020_02	22242008
reddit_posts_2020_03	26577226
reddit_posts_2020_04	28501627
reddit_posts_2020_05	28297185
reddit_posts_2020_06	27557757
reddit_posts_2020_07	28436736
reddit_posts_2020_08	28883496
reddit_posts_2020_09	27814712
reddit_posts_2020_10	28659441
reddit_posts_2020_11	28002626
reddit_posts_2020_12	29695450
reddit_posts_2021_01	32704571
reddit_posts_2021_02	31147947
reddit_posts_2021_03	33006103
reddit_posts_2021_04	31616206
reddit_posts_2021_05	36310673
reddit_posts_2021_06	34118481

yes thats millions. Millions of posts per month.



710M posts. likely a lot of crap but once cleaned, might be interesting.

across all our beloved subs that are related to GME - we have:



just about 5mill posts. this includes wallstreet bets, all the variations, all the variations of gme, and of course all the other subs that i have discussed in my previous post. whats also included is variations of investing subs. because it would really be very interesting to see the sentiment for GME between subs and see how it changes over time.

For those of you who got this far, thank you. THis has taken a significant ammount of time and i wouldnt want it all to go to waste.

Lets summarise, mostly for me, what we have:

- Posts for the last 2 odd years, starting from april 2019, loaded in and ready for analysis.
- Comments for the same time period are being loaded in as we speed right now: these arent small files by the way: each month worth of data is approximately 100-120gb for posts and at the very least as much for comments.
- historic data and links from reddit, with good coverage up to End of July 2021.

This gives me some interesting capabilities and may provide some interesting insights here.

### Update on comments availability:



The work for comment data is in progress but so far, ill update the final numbers as i know more. We have around 60 millions across gme related subs and what is starting to look like a Billy or maybe even 2 across other subs.

Main advantage of this: a complete library of all the DD, all the links, all the metadata, all the memes, all the shill posts and comments, did i mention memes and shitposts?

- First obvious point: i can finally see all comments and posts that DFV and others have written for the last 3 years.
- second obvous point: i can see how authors who post interact with comments and in what way? do we actually have evidence of shills karma whoring their way up the chain only then to spread fud?
- third point: need i say that this is an exciting project for me?

There are a few fun things we can do here once we have this much data (all of these are currently in development at very early stages):

**fun idea 1:SHILL alert!** do you suspect an account of being a shill but cant prove it because you dont want to travl through 1000 posts and comments. well in theory if a method can be detected to identify shilldom, its now possible to query usernames by posts and comments to see what and about what they post.

**fun idea 2:** I should now have most posts across our beloved subs and across reddit. we can now see if indeed authors were crossposting and brigading across differnt subs - lets politely warn those and after name and shame and ban from the sub. no need for fud spreading or any other sort of damage.

**fun idea 3:** In theory, since we have all the comments, and all the posts, we will be able to see if the same types of users reply to particular types of posts- ie we may be able to either detect forum sliding or a group of users madly commenting on a post to bring it to the top. now these users will both be great community users and shills and bots - but since we have the data and past comments, eh, we will hopefully be able to verify who is who.

fun idea 4: since shills will most likely try to obfuscate the links that they are spreading, like this here, it may be fun to

see all the authors who have posted about the ape book history month, google docs links that may be useful but may also dox, random spam links of there is any and so on and so forth.

**fun idea 5:** i am only aware of the 5 odd subs that discuss GME. who else discuss / discussed gme? do we want to have a list of everyone who posted and commented on GME meltdown? maybe, maybe not

This weekend has gone by way too quickly but i have made decent strides towards uncovering all the shillery.

Any comments, please do shoot them here below:

PS: if you still want memes, the two torrent links are here: if you are going to download them - please seed so everyone can see the hilarous memes. i will now be updating it with all other memes that i may have missed from other posts. my next update will be just the first 50k / 100 k memes in total. not everything.

magnet:?xt=urn:btih:05df0c8603753cb57a5a658aba4dd88739494910&dn=allthememes%5Fpictures

magnet:?xt=urn:btih:07d6a19333a66d158356f0514e2714de0bf2d6ee&dn=allthememes

Ape historian DD series: a library of every single post in the last year, classified by topic and more. oh and i am pissed by the yahoo article.

HODL

Hello-everyone - hello everyone and hello

/u/gmmoore77 - your post made me do this (the MSM bit below)

https://www.reddit.com/r/Superstonk/comments/ryfgmr/if i was ryan cohen i would be so pissed right now/

Helllo fellow apes,

I am happy today.

happy because i am still hodling and happy that i of course have a computershare account.

I have big news to share with you. I think. you be the judge.

I am realising that a lot of the DD, a lot of the actual DD is being lost, and i realistically created this for me so i can understand all the dd and all the perspectives.

And then i thought - wait why not share it- so here goes.

many moons ago you may remember that i had massive plans for analysing shill behavior other points.

i think i am finally there. I have taken a significant number of posts (not all mind you) and used them to train my fancy text analytics program, to extract topics of conversation (FTD, DOOMPS, Mayo man, mayo boy, ken griffin, so on and so forth).

As an example (this one is uncleaned and has duplicates but so that you can see the point- this is 100% automatic, not manual, o i will be able to process all the categories pretty quick.

	datetime	body_categories_clean
	string	string
	Date (unparsed)	Natural lang.
Ī	2021-04-16 15:52:21	dance at the economic
	2021-04-16 15:52:21	adeyemo a former chief
	2021-04-16 15:52:21	position within the administration
	2021-04-16 15:52:21	serving as his top
	2021-04-16 15:52:21	years and was vice
	2021-04-16 15:52:21	chief of staff to blackrock
ï	2021-04-16 15:52:21	biden transition team members michele flournoy
	2021-04-16 15:52:21	firm point judith capital ape strong
	2021-04-16 15:52:21	private equity firm pine island capital
	2021-04-16 15:52:21	raimondo acted as senior vice president
	2021-04-16 15:52:21	longtime democrat larry fink to serve
	2021-04-16 15:52:21	side or wall streets jpow literally
	2021-04-16 15:52:21	team members michele flournoy former pentagon
	2021-04-16 15:52:21	westexec gina raimondo acted as senior
	2021-04-16 15:52:21	investment executive brian deese is set
	2021-04-16 15:52:21	groups raimondo returned to rhode island
ï	2021-04-16 15:52:21	treasury department meanwhile michael pyle blac
	2021-04-16 15:52:21	highland capital groups raimondo returned
	2021-04-16 15:52:21	national economic council effectively serving
	2021-04-16 15:52:21	economic club yesterday anthony blinken
	2021-04-16 15:52:21	dance at the economic

datetime	body_categories_clean
string	string
Date (unparsed)	Natural lang.
2021-09-08 20:59:11	distributed it would equate
2021-09-08 20:59:11	creating something new if you noticed
2021-09-08 20:59:11	watching the whole presentation
2021-09-08 20:59:11	expect to further validate
2021-09-08 20:59:11	audited and non custodial
2021-09-08 20:59:11	pioneer the first major
2021-09-08 20:59:11	companies a team of leading
2021-09-08 20:59:11	pastures of the ethereum
2021-09-08 20;59;11	approach at this point
2021-09-08 20:59:11	flawed with its complexities
2021-09-08 20:59:11	kenny g s rectum
2021-09-08 20:59:11	hold onto ur fkn
2021-09-08 20:59:11	casino would call a marker
2021-09-08 20:59:11	life that is of every single
2021-09-08 20:59:11	shortly after he discusses
2021-09-08 20:59:11	street that can t be cheated
2021-09-08 20:59:11	completing such a task
2021-09-08 20:59:11	regulators but by laws
2021-09-08 20:59:11	eradicate those who made
2021-09-08 20:59:11	preface if you do not recognize
2021-09-08 20:59:11	distributed it would equate

random dd post. you can see names, shitadel and co names, and main keywords.

even kennys rectum made it to the topics list

J≟ <b>Y</b> body_categories_clean	count
string	bigint
Natural lang. ▼	Integer
action neither the ftd	3
actual ftd data of gme	9
add ftds daily to my text	10
added that many ftds	12
admitting that these ftds	3
aftermath of each ftd	6
aligning with our ftd	1
allowed them to skip an ftd	12
background we see ftd	2
based on various calculations like ftd	8
begin to either see ftd	2
bell and still no ftd	2
bet there was a ftd spike	3
bit about ftds that i don	4
boatload of ftds every period	6
breakdown date of sharesftd closeprevious day cost	9
broccaaa s dd on ftds	3
browsing trying to find ftd data	3
bullshit you can t have ftd	6
buying of all ftd	4
camillahorne ftd blob master result csv	3

### and of course computershare

▼ body_categories_clean	↓ <del>F</del> count
string	bigint
Natural lang.	Integer
computershare and rc to hit	36
started so third why computershare	32
plan everything with computershare	28
settled the conversation around computershare	28
computershare into my brand	20
emails nothing from computershare	20
true new look for computershare	20
agents e g computershare	16
computershare and then buy	16
computershare com us documents	16
computershare which could be great	16
inquiries should be mailed to computershare	16
posts about the computershare	16
forms gt https www us computershare	15
stock right away computershare	15
ameritrade and webull to computershare	12
computershare which i find	12
owned as per computershare	12
computershare is a transfer agent give	10
invest to computershare a giant	10
ado tl dr computershare	9

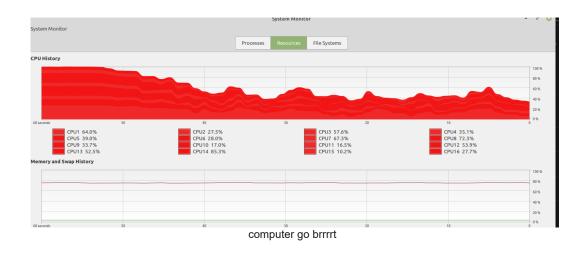
then used that new database to classify every single post that ever existed, so that if you ever wanted to look at all posts about FTDS or SSR or anything - you can. This classification is now running but its going to take a while- hopefully by end of tomorrow os ready for casino monday.

From this also came a list of DD authors over the time that this has been going on.

and From this list also a list of msm articles (in progress)

It is all being pushed to my resilio archive where you will be able to find it - and via transfer sh if you dont want to install it yourself.

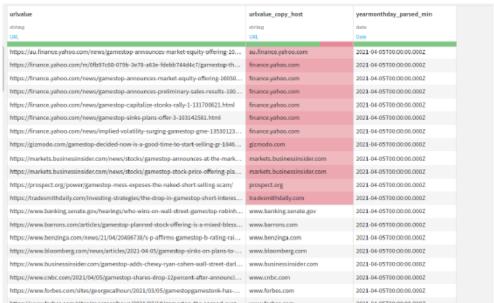
I will be uploading the file here and to the archive once it is done: hopefully tomorrow.



the latest yahoo article really fucking pissed me offf. I wasnt going to do it now but here:

here is every single MSM article these fucks ever put out: search by gamestop if you need to in url: if you want to tweet the list or show others as to how MSM are JUST playing the narrative - then go ahead, i give you full permission to reuse it of course.

I summarised the MANY MANY of the MSM urls that you apes have shared and here is the list: with tehe minimum datetime that it was shared (sorry the 100s of people who shared the same thing later). Thansk to everyone who provided the sauce when i asked for it - thats why i need it.



this is a sample as I am working on the much bigger version - but this gives a good jist anyway.

Here is the link: https://transfer.sh/jAy2pM/final\_toshare\_by\_yearmonthday\_parsed\_sorted.csv

I will be adding it to the archive tomorrow morning. - ti tiwll then sync with all the resilio owners - see my previous post if you havnet set it up and you want to

Ape historian.

ape historian.

MSM - please learn to report at least half researched articles - nfts are not a whatever you said in yahoo.

APe historian, the DD superseries - we knew about Computershare on january 29th. The first migration likely hid it from view completely (speculation). we knew about cede and co feb 1st 2021 as well.

Speculation / Opinion

Hi everyone, I am at it again, unable to wait so i started processing new and more data.

### TLDR:

- 1. i have a historic record of everything the MSM said in the periodu between nov 2011 and june 2021 about meme stocks and gme in particular.
- 2. Apes knew about Computershare all the way back to:
- 3. Apes knew about how shares arent theirs aka cede and co bullshit all the way back to: January 29th 2021. I quote "we succeed when cede and co stop all trading activity and we see for far the rabbit hole goes". FUCK. that was 2 days post sneeze.
- 4. we knew that cede and co were the main culrpit to this entire situation: Monday, 1 February 2021 17:49:04 yeah. alsmost a year ago thanks /u/

Let me give you a fucking hint how close and how much we figured out back in january.

DID apes actually know about CEDE AND CO? YES - back in January 29th - feb 01 2021

post title: "The Depository Trust & Clearing Corporation DTCC and Cede Corporation" -by bellwierboy (not tagging because its from the orign sub and i dont want to get into any issues with them coming here). look at the post if you want.

Feb 01 2021.

Post body:

These are the shadowy bodies that are supposed to make sure shares in companies are correctly assigned when you buy and sell them. The DTCC is the body that leaned on Robinhood at 3am to force them to raise their capital covering. Probably leaned on a whole bunch of other clearing houses and brokerages.

This is what drove the shutting down of GME and other Reddit meme stock sales and avoided a complete meltdown last week.

These articles explain how counterfeit shares are created and illegal naked short selling can occur. SmithonStocks

# <u>SmithonStocks2</u> --- we will find this in the other sub in another 6 months almost.

i think the CEO of the DTCC needs to issue a statement to clear up illegal naked short selling.

He is Mike Bodson

https://twitter.com/mikebodson?s=21

THats part one - lets see how far away we know about computershare - or at least would have have we not switched subs 5 times.

computershare-knew about it back in December 15th 2020 but not related to GME.

computeshare related conversation came up with: Jan 28th 2021.

YES - fucking january. yet that post was "deleted" pretty swiftly and i never got to it. but apes knew. well at least one ape knew.

how to find: "Computershare. Buy minimum for GME is \$25." + (old wall beet sets name into google for the post) -its the first search result. YEAH.

This is the first attempt at finding the old historic posts and the old historic DD.

in total there were 5-10 postabout computershare between 29jan 2021 and feb 01.

I am building a video to see the migration of posts from one sub to the next?

does anyone remember when the first migration from bee sub one to beesub 2 happened? i am sure it was around these 2 timings above maybe a little later in february.

I am marking this as speculation but my speculation is the massive sub drama and movement occured- it occured to split the conversation so these 127 posts about computershare were never found, and taht this tiny amount of conversation (from the 1.3million post on the original sub - yeah!) would be buried.

I have now finished processing the data and am confindend of FULL DD backup (that which wasnt deleted) from November 2020 onwards to june 2021- with 96-97% backup for june 2021 to august 2021 and near 100% backup from september onwards.

Your move hedge fucks. ape historian diggeth, ape historian will findeth.

## plans for dd mini series

- 1. full export of all msm links
- 2. full export of all dd (read only key) via resilio sync, with full excel lists and other wonderful things.
- 3. A continuation of this post now that i have full data to figure out what happened during january 2021.
- 4. many many more things i am going to need time to dig through the data

TLDR: maybe a smoothbrain but i can see a small start of computersahre convo in original sub and then boom! that sub stopped existing and then there were 3 more subs till it was moved to gme and future subs. perhaps it was a way to disorient and make us not dig, drop the price and make us sell.

SUPER TLDR>

DRS IS PROBABLY THE WAY.