Title: Total DRSd Shares Projections - Naive and Informed Methods (Using historical closing price, CS account numbers, and GME 10-k/Q DRSd shares data)
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TLDR: Given historical data, there will be 25 - 35 Million shares direct registered with Computer Share (GameStops transfer agent) by June 1, 2023.

Posted to a different sub first, but I'm interested in some more technical opinions on what I've done.

None of this is financial advice. I'm a hairless monkey that can push buttons good.

Assumptions:

u/stopfuckingwithme 's CS account number data is good. (They did not respond to my request for said data and so I used imaging software to manually parse and then interpolate the data from the picture on 06/01.)

GameStop's 10-K, and 10-Q-s data is good.

Wolfram Alpha's GME closing price data is also good.

Wolfram Alpha's GME projections are reasonable

1 year = 360 days

Findings:

Buckle up Bucko's.

METHOD 1:

I am only pulling data from 3 places. GME 10K and 10Qs. GME historical closing prices. And u/stopfuckingwithme 's CS account data. The first two are easy to get, but I had to use imageJ to manually plot points on the 06/01 CS account data post since they were not keen on sharing anything they have.

\- Naive fits of GME DRS data straight from SEC fillings

https://preview.redd.it/kez7f5qbsu391.png?width=1582&format;=png&auto;=webp&s;=a6b85ed9d48ec27bcae08b6220df20702e470650

\- Fitting CS Account number data

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\- Fitting the data to a logarithmic plot we get the following

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We can take official DRS numbers from the SEC fillings and divide them by the data at 60, 150, and 240 in order to get the average DRSd Shares per account. Further more we can fit those like we did the RAW data (with linear and quadratic fits). We get the following.

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Reflection: I think we can all agree that the quadratic fit is mostly useless. Even if people continue to DRS it makes the most sense that we have already seen the largest increase in Shares DRSd per CS account since most people. I don't doubt that people will continue to buy and the average will continue to increase, but I the eventual fit will look more linear. (or decay up to an equilibrium point as older CS accounts saturate the number of shares they wish to hold, or new cs accounts hold significantly less as time goes on.)

OK cool. So what?

Well if we think we know how the average GME per CS account will look going forward, and we think we know how many CS accounts there will eventually be we can make some projections on how many Shares of GME will be DRSd as time goes on.

DRSd GME = avg GME /CS account x CS accounts

Voila

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Starting with the solid blue, we have to assume that the number of new CS accounts will slowly decrease. However, We also make the assumption that the avg share will continue to increase as APEs keep DRSing day by day and quarter by quarter. This fit makes the most sense to me, except it doesn't really factor in any market dynamics. If the price moons, then I doubt APES will be able to continue to increase their shares at the same rate. IF 1 apes only has $1000 every quarter to DRS, and the price moons to 2000, they're probably not going to be able to increase the number of shares they own. On the other hand if the price "goes back to $20 real fast", then I could see that ape easily picking up tens of shares.

Both orange lines seem a little suspicious. I highly doubt the rate of shares being acquired will increase significantly. Unless of course, the price drops like a hot potato and a bunch of monkeys fight each other to get as much as their hairy hands can hold.

But that got this ape thinking. "If retail has been DRSing their shares this past year, then there has to be a way to way quantify how much they've spent and project their continual 'DRS Power' (Buying power, but I only care about shares that are DRSd. Maybe I can use this method to double check my original projections."

And that's Exactly what I did.

Method 2:

I pulled closing price data and then interpolated it so I can spread the original 254 market days into 360 days. Again assume 1 year = 360 Days.

I then divided each quarter into 90 days and averaged the closing price of each section.

https://preview.redd.it/lmhlxuemsu391.png?width=2564&format;=png&auto;=webp&s;=275d2bc47376fd1a26693e4f18da5fc1746f6da0

Once I had this data I took the DRS number from GameStop's SEC fillings and multiplied by the previous quarters average price. This gave me an approximation of total amount of money retail spent DRSing their shares.

https://preview.redd.it/ffw2j26vsu391.png?width=1152&format;=png&auto;=webp&s;=1c1de9ef6f0c058e3532a6fb7de27015ecfcec39

Note: *This relies on the assumption that all new DRSd shares were bought in the previous quarter. We know that people have been holding GME far longer than that and we also know that people could have bought way back and then DRSd some time later.

Furthermore, since this whole direct register trend started around September last year. It makes sense that the amount of money retail spent to direct register their shares was highest then. As it accounts for all the shares bought over the past few years that were DRSd at that time.

It is then reasonable to assume that the amount of money retail had to DRS up to now was originally much higher and trending lower. This fits with what the trend shows.*

Cool. Cool.

Now divide by 90 and extend each quarterly average into daily averages. Then extend out a year from now.

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Now if we take these values and divide by the closing price of GME over each day of the quarter, we get a loose estimate of the shares DRSd by retail. If we sum up the number DRSd each day for the quarter, we should get a plot that looks like the total GME DRSd plots from Method 1.

https://preview.redd.it/860hv7dysu391.png?width=1152&format;=png&auto;=webp&s;=5ebf567c7cd38fbdadd417054833789b47aac759

So this methods gets us up to June 1st, 2021. How do we go further?

Well Wolfram Alpha has a need little predictive feature so I gave that data the same treatment I have the historical data and we get the following GME closing price projection. (Note how even Wolfram thinks this ticker is volatile as fuck)

https://preview.redd.it/kwcrw9t0tu391.png?width=1574&format;=png&auto;=webp&s;=6a57fa8f15f724629a27e562887dd67fc27e0b9b

Disregard the two fits for now. Taking this data using our DRS Power plot above I get the following

[Which fits with my original linear increase in avg share \/ cs account x Log cs account](https://preview.redd.it/ohy2a073tu391.png?width=1152&format;=png&auto;=webp&s;=12fcf79f3f0a50fcb32aab94a13a48b3a2cb9c66)

The actual projection was bullish on price, and so I took it upon myself to assume that the price continues to fall with the two other fits previously disregarded.

https://preview.redd.it/a2vkqsgbtu391.png?width=2564&format;=png&auto;=webp&s;=1711c196d5c42233e00c3471038e47ef74e7b248

From bottom up:

1. GME price is volatile is fuck and apes buy less. (lol. Oh nooo the price went up.)
2. GME trends slowly sub 150,
3. GME goes flat and is pegged to 130 for a year.
4. GME trends slowly sub 100
5. Someone up high blesses apes and the price of GME behaves like oil futures that one day last April and goes way way way down. Apes throw a party and don't just lock the float, but the entire all of the outstanding shares.

END:

Hey SEC, meme on this you porn addicted fucks. Is this enough "research?" Since when has a companies valuation not been influenced by fundamentals?

We'll see what the actual number of DRSd shares will be next quarter. I'll update my plots then, but given that both methods of analysis lead to similar results, I'm willing to accept the trends as they are with some confidnece.

Bonus Pics:

https://preview.redd.it/e7rn79retu391.png?width=1376&format;=png&auto;=webp&s;=2c3bb2ba0b6935699c0cdbe77ab4a1a56c956f00

[Using Wolfram Alpha Projections \(shown above\)](https://preview.redd.it/sdjkwqxgtu391.png?width=1886&format;=png&auto;=webp&s;=68c12c9fab69e028cb1f64e06ab34187ce97acef)