## The Rise of the Reddit Trader

The Mise of the Medalt Hadel

By Jonathan Hu

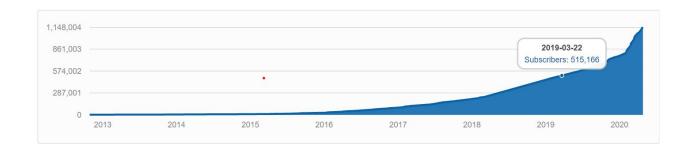


- A few educational posts
- A couple of light-hearted posts
- Some fundamental analysis (DD)
- People posting about the P&Ls
- And lots of borderline gambling



#### 15 Minutes of Fame

- 2012 Creation of r/WallStreetBets
- 2017 100k subscribers
- 2019 500k subscribers
- 2020 Headlines on Bloomberg Businessweek



#### Redditer's Toolbox of Tactics



- 1. Swamp the market with call purchases for Stock A early in the morning
- 2. Market Maker buys a percentage of the Stock A options contract to hedge
- 3. Upward pressure on Stock A's price

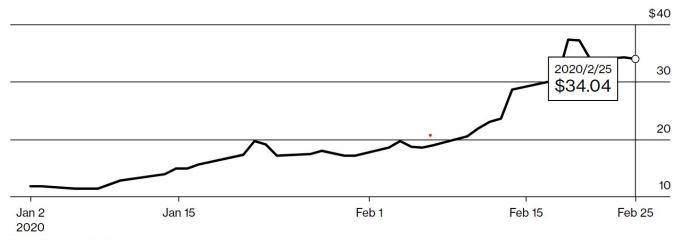
#### Questions

- Do Reddit posts have a real effect on the US equities and options market?
- Are Reddit traders moving the market through coordinated options trades?
- If so, are Reddit traders able to hand it to a greater fool and make a profit?

## Putting the Anecdotal Evidence to the Test

#### **Case Study: Virgin Galactic (SPCE)**

Virgin Galactic Stock Price

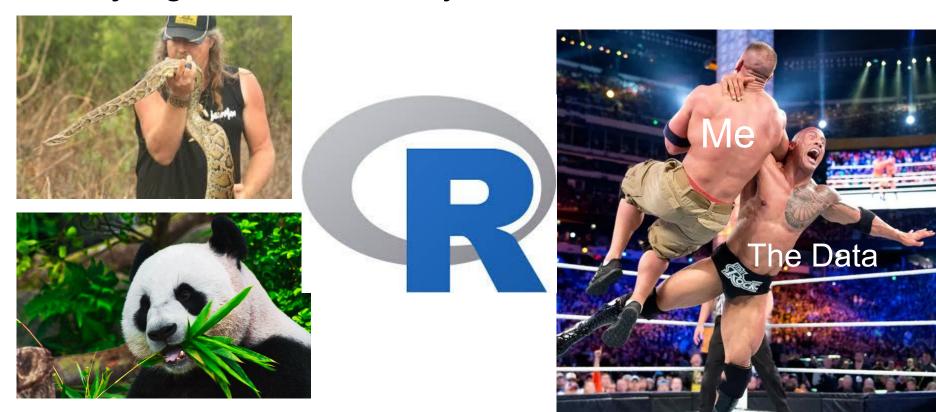


Data: Compiled by Bloomberg

## Timeline of Virgin Galactic's Major Events



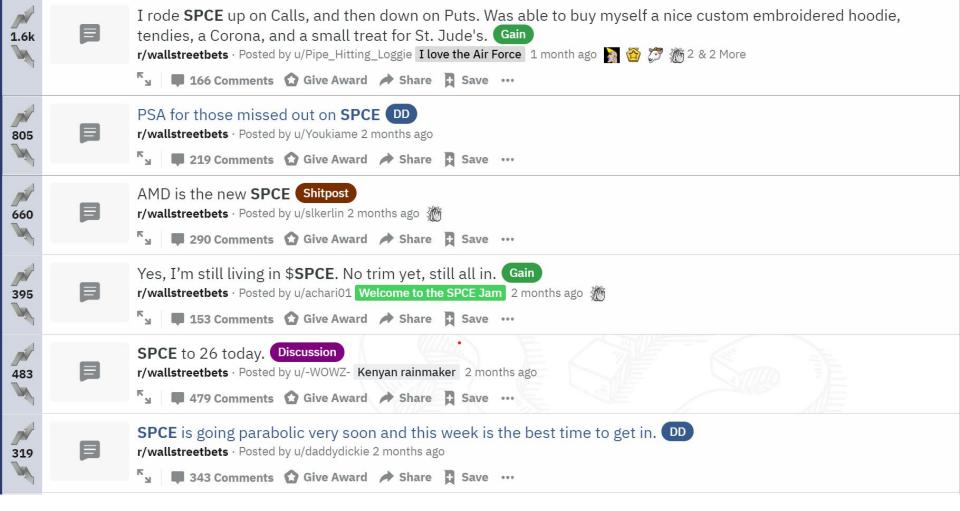
# It's a jungle out there, stay safe!



#### Progress

- Failed to connect to Reddit API :(
- OptionMetrics data ends on June 2019 :(
- CRSP pricing data ends on Dec 2020 :(
- Connected to Reddit API thanks to Sentdex's Tutorials:)
- Queried all subreddits posts related to SPCE (n = 244)
- Recent pricing data from Yahoo Finance :)
- Still wrestling with Pandas, Python's panel data package





#### Next Steps

- Finish data wrangling
- Address reverse causality with minute-resolution pricing data
- Add controls
- Test if data fits multi-period information diffusion model (Dellavigna & Pollet)
  - Signal = Reddit DD posts
  - Time 0 = creation date
  - Check for upward or downward drift
- Perform similar analysis on Tesla and Microsoft

## Best of luck on your explorations

