

Hi everyone!

This is Mr. Daniel. I hope everyone is having a great week with friends and family! We are heading into the last week of 2021!

Welcome to this week's newsletter!

2020, undoubtedly one of the toughest years for humanity. More lives were lost in 2021 to Covid strains than 2020. According to the [CDC](#), 813,219 Americans lost their lives to Covid, 427,690 in 2021 and 385,439 in 2020. **A stunning 5.4 million lives have been lost globally to Covid globally as of December 28th, 2021.**

The US economy was brought to its knees. **The market crashed in Feb 2020, it bottomed and sharply rebounded back to pre-pandemic level in about 3 months.** This is all due to the Fed dropping interest rate to zero, printing \$1.5T into financial markets and the Congress passing a \$2.2T aid package to rescue the economy. We have been on a bull market run since then.

The Stock Market reached all-time high last week of December 2021.

Here are the returns for DOW, S&P 500 and NASDAQ from Jan 2017 to Dec 2021 and span of 5 years. The returns are approximately 84%, 113% and 193% respectively. **Since their lows in Feb 2020, the stock market more than doubled its values as of December 2021.**

Dow Jones Industrial Average

36,398.21 ↑ 84.18% +16,635.61 5Y

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S&P 500

4,786.35 ↑113.79% +2,547.52 5Y

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1D 5D 1M 6M YTD 1Y 5Y MAX



15,781.72 ↑193.17% +10,398.60 5Y

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1D 5D 1M 6M YTD 1Y 5Y MAX



In this newsletter, I would like to review some main events in science, tech and businesses wrapping up 2021! I've also linked some videos and articles, please check them out.

1. **The greatest gift from NASA to mankind:** The James Webb Space Telescope is a \$10B time machine that took 30 years to realize. We will be able to see the first galaxy

formation since the Big Bang 13.8 Billion years ago using InfraRed. The JWS will travel for months to reach about 1 million miles from earth where it will cool, freeze and unfold. We will be able to detect photons that carry the history of time!

For reference, the moon is 239,000 miles away from earth, the Sun is 91 million miles and Mars is 221 million miles from earth. Mars is farther from earth than our Sun.

Here is an amazing video introducing the JWS telescope from [BBC News](#). Check it out!

2. **2021 The greatest Market crashes and recovery runs of all time:**
The 1999-2000 Dot-com bubble crash, the market crashed 77% from all time high and lasted about 2 years.
The Financial Crisis 2008 took 4 years to recover
The Covid crash of 2020, followed by the quickest recovery of all time! Check out the timeline by [fools.com](#)
3. **The Housing Market has been on a tear**, soaring in the number of sales and prices!
Over 6 million homes are sold in 2021 at record prices. Mortgage rates are at record lows of 2.65% and 2.16% for 30-year and 15-year fixed in the early 2021. The house shortage as a result of real estate inflation, market manipulation and private equity out bidding regular people is unjustified and is a serious issue that must be addressed.
4. **TikTok.com overtook Google as the most visited domain in the world in 2021**, according to a report released on Monday by Cloudflare, one of the major internet content delivery networks. Currently Tiktok is estimated to have more than 1B Daily Active Users.
5. **2021 is the year with the greatest number of companies going public**, most of them via SPACs. As of Dec. 23, **1,006 initial public offerings have raised about \$315.6 billion.**
SPAC is a shell company or blank-check company without revenue and is created to acquire an existing company in order to go public quickly.
6. **In 2021, US National Debt has reached \$29 Trillion, that is, 29,000 Billion!**
This is insane and is a real issue. The amount of debt will affect our children and their children, social security and taxations for many years to come!
7. **[Elon Musk's Neuralink](#) Monkey playing Pong with its mind**
Data from Monkey's brain activity is mathematically modeled and completely decoded to play Pong with its mind. This has a tremendous amount of application potentials for physically disabled people in the next decade.
8. **Artist Beeple sold his digital art for \$65 Mil NFT via Christies.** The piece is called **"Everydays — The First 5000 Days"** This first ever high profile auction kicks off NFT into

mainstream. Just today, news of a **12-year old girl, Nyla Hayes, made millions this year selling her creative work as NFTs.**

[Nyla Hayes](#) 'Long Neckies' are inspiring a new generation of girls

9. **SpaceX's [Starlink](#) project has now launched more than 1,890 satellites for the broadband network so far!** Check out the video linked. Would you be astounded to see them in the night sky?
10. **Metaverse, Omniverse, your virtual 3D Web 3.0.** The Big Tech rush to dominate the Metaverse economy started in 2021.

AI, AR, VR, 5G & Blockchain technology will power the Metaverse infrastructure!

If you have not yet seen Zuckerberg's version of the Metaverse using Oculus headset, check it out [here](#)

11. **Elon Musk 2021 Accolades. He is the real Ironman of the Modern Era. Check out a inspirational youtube video on Elon [here](#)**

- a) Time Magazine's Person of the Year
- b) The Richest person in the World
(more than Bill Gates and Warren Buffet combined)
- c) Paid \$13.8 Billions in tax, the most amount in the history of taxes.
- d) Tesla is the #1 EV company in the world
- e) SpaceX Inspiration-4 sent 4 private citizens to Orbit!
- f) NASA awarded SpaceX a \$2.9 billion contract to use Starship to take astronauts from lunar orbit to the surface of the moon!

One of my favorite quotes!

"When something is important enough, you do it even if the odds are not in your favor." – Elon Musk

12. **Cryptocurrency Market Cap reached an all time high \$3 Trillion!** Ranking at #1 is Bitcoin, followed by Ether! By [Coinmarketcap](#)



13. **World Economy hit \$94 Trillion in 2021** (2020 \$85.5T, 2019 \$87.3T)

#1 USA \$23T

#2 China \$17T

#3 Japan \$5.1T

#4 Germany \$4.2T

#5 UK \$3.1T

Here is a really cool infographic put together by [visualcapitalist](https://visualcapitalist.com/)

14. **DNA reading speed advancement and cost reduction is transforming Molecular Biology & Medicine.** Sir Klennerman and Sir Balasubramanian's Next Generation Sequencing to detect point mutations across the entire human genome. **Scientists took more than 10 years and \$3B to read the first human genome, NGS can do the same for about \$1,000 in less than an hour.**

15. **Mental health is a real issue among teens.** We are seeing the highest levels of anxiety and depression ever in the United States. Remember that there is no shame in talking to people about your feelings. Remember that you are not the only one and you are not alone.

Discover ways to overcome your feelings, improve your life! Do something that you love to destress! It can be hip hop dance, painting, workout, sports, hanging out with positive people, anything to destress... Stay positive, optimistic, don't be afraid of uncertainty.

Don't keep holding on to your burdens and stress in life. I found this video very true, and hopefully it will help you to see stress in a different light. 2022 will be the greatest year yet!

How heavy is the glass of water?

HAPPY NEW YEAR!

Have an awesome game plan for 2022!

Mr Daniel

大家好！

這是丹尼爾。我希望每個人都與朋友和家人度過美好的一周！我們即將進入 2021 年的最後一周！

歡迎收看本週的時事通訊！

2020 年，無疑是人類最艱難的一年。與 2020 年相比，2021 年死於新冠病毒的美國人更多。據[疾病預防控制中心](#)稱，有 813,219 名美國人死於新冠病毒，2021 年為 427,690 人，2020 年為 385,439 人。截至 12 月 28 日，全球有 540 萬人死於新冠病毒。

美國經濟陷入癱瘓。2020 年 2 月市場大跌，觸底反彈，3 個月左右大幅回升至疫情前水平。這一切都是由於聯準會將利率降至零，向金融市場印刷 1.5T 美元，以及國會通過了 2.2T 美元的救助計劃來拯救經濟。從那以後，我們一直處於牛市中。

股市在 2021 年 12 月的最後一周創下歷史新高。

以下是道瓊斯指數、標準普爾 500 指數和納斯達克指數從 2017 年 1 月到 2021 年 12 月以及 5 年的回報。回報率分別約為 84%、113% 和 193%。自 2020 年 2 月的低點以來，截至 2021 年 12 月，股市的價值翻了一番多。

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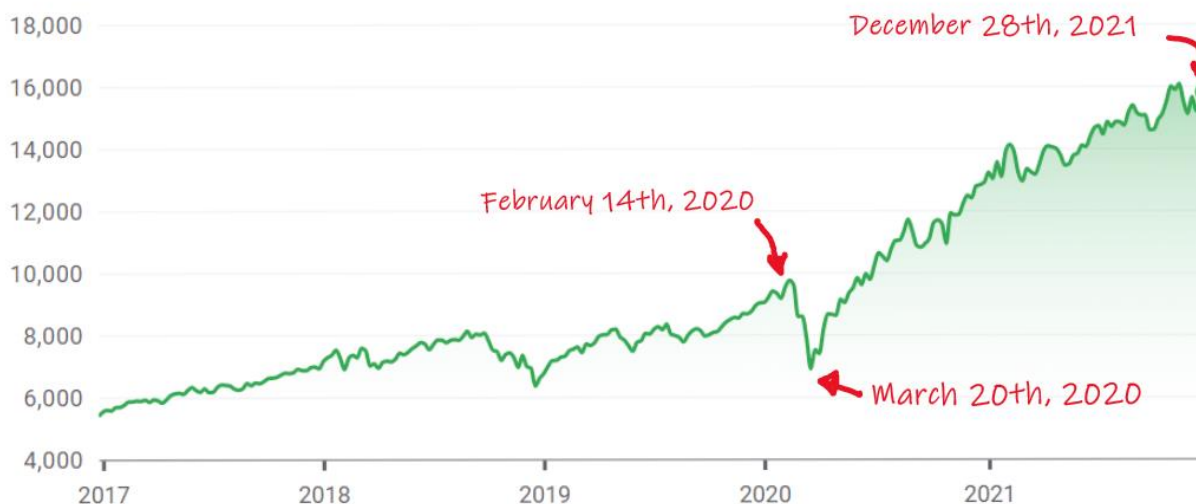
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在本期通訊中，我想回顧一下 2021 年科學、科技和商業領域的一些主要事件！我還附了一些視頻和文章，請查看。

1. **美國宇航局給人類的最大禮物：**詹姆斯韋伯太空望遠鏡是一台花費 30 年才實現的價值 10B 美元的時間機器。我們將能夠使用紅外線看到自 138 億年前大爆炸以來的第一個星系形成。JWS 將行駛數月，到達距地球約 100 萬英里的地方，在那裡它將冷卻、凍結和展開。我們將能夠探測到承載時間歷史的光子！

作為參考，月球距地球 239,000 英里，太陽距地球 9100 萬英里，火星距地球 2.21 億英里。火星比我們的太陽離地球更遠。

這是 [BBC 新聞中](#) 介紹 JWS 望遠鏡的精彩視頻。看看這個！

2. **2021 年有史以來最嚴重的市場崩盤和復蘇：**

1999-2000 年互聯網泡沫破滅，市場從歷史高點暴跌 77%，持續了大約 2 年。

2008 年金融危機用了 4 年才恢復

2020 年的 Covid 崩潰，隨後是有史以來最快的復蘇！查看[傻瓜網站](#)的時間表

3. **房市一直在撕裂**，銷量和價格**都在**飆升！2021 年將有超過 600 萬套房屋以創紀錄的價格售出。抵押貸款利率在 2021 年初的 30 年期和 15 年期固定利率處於歷史低點，分別為 2.65% 和 2.16%。由於房地產通脹、市場操縱和私募股權競購普通人導致的房屋短缺是不合理的，是一個必須解決的嚴重問題。
4. 根據主要互聯網內容交付網絡之一 Cloudflare 週一發布的一份報告，**TikTok.com 超過谷歌成為 2021 年全球訪問量最大的域名**。目前 Tiktok 估計有超過一億的日活躍用戶。
5. **2021 年是上市公司數量最多的一年**，其中大多數是通過 SPAC **上市的**。截至 12 月 23 日，**1,006 次首次公開募股已籌集約 3,156 億美元**。SPAC 是一家沒有收入的空殼公司或空白支票公司，旨在收購現有公司以快速上市。
6. **2021 年美國國債已經達到 29 萬億美元，也就是 29000 億！**這是瘋狂的，是一個真正的問題。債務數額將影響我們的孩子和他們的孩子，未來很多年的社會保障和稅收！
7. **Elon Musk 的 Neuralink Monkey 用它的頭腦打乒乓球**
猴子大腦活動的數據經過數學建模和完全解碼，可以用它的頭腦打乒乓球。在未來十年，這對身體殘障人士具有巨大的應用潛力。
8. **藝術家 Beeple 通過 Christies 以 6500 萬美元的 NFT 出售了他的數字藝術**。這件作品被稱為“每天—前 5000 天”，這是 NFT 首次成為主流的高調拍賣。就在今天，一個 12 歲的女孩 Nyla Hayes 的消息今年賺了數百萬美元，將她的創意作品作為 NFT 出售。

[Nyla Hayes](#) 'Long Neckies' 正在激發新一代女孩的靈感
9. **到目前為止，SpaceX 的 Starlink 項目已經為寬頻網絡發射了 1,890 多顆衛星！**查看鏈接的視頻。在夜空中看到它們，你會感到驚訝嗎？
-
10. **Metaverse，Omniverse，您的虛擬 3D Web 3.0**。主導 Metaverse 經濟的大型科技熱潮始於 2021 年。

人工智能、增強現實、虛擬現實、5G 和區塊鏈技術將為元界基礎設施提供動力！

如果您還沒有看過扎克伯格使用 Oculus 耳機的 Metaverse 版本，請在[此處查看](#)

11. **埃隆·馬斯克 2021 年的榮譽。他是真正的現代鐵人。在[此處查看](#)**
YouTube 上 Elon 的勵志視頻

- a) 時代雜誌年度人物
- b) 世界上最富有的人（超過比爾蓋茨和沃倫巴菲特的總和）
- c) 繳納了 138 億美元的稅款，是稅收歷史上的最高金額
- d) 特斯拉是世界排名第一的電動汽車公司
- e) SpaceX Inspiration-4 將 4 名普通公民送入軌道！
- f) NASA 授予 SpaceX 一份價值 29 億美元的合同，使用 Starship 將宇航員從月球軌道帶到月球表面！

我最喜歡的台詞之一！

“當某件事足夠重要時，即使情況對你不利，你也會去做。” — 埃隆·馬斯克

12. **加密貨幣市值達到 3 萬億美元的歷史新高！** 排名第一的是比特幣，其次是以太！通過 [Coinmarketcap](#)



13. **2021 年世界經濟達到 94 萬億美元** (2020 年 \$85.5T · 2019 年 \$87.3T)

#1 美國 \$23T

#2 中國 \$17T

#3 日本 \$5.1T

#4 德國 \$4.2T

#5 英國 \$3.1T

這是一個非常酷的信息圖，由 [visualcapitalist](#) 拼湊而成

14. **DNA 讀取速度的提高和成本的降低正在改變分子生物學和醫學。**

Klenerman 和 Balasubramanian 的下一代測序檢測整個人類基因組的點突變。科學家們花了 10 多年時間和 3B 美元來讀取第一個人類基因組，NGS 可以在不到一個小時內以大約 1,000 美元的價格完成同樣的工作。

15. **青少年的心理健康是一個真正的問題**。我們看到了美國有史以來最高水平的焦慮和抑鬱。請記住，與人談論您的感受並不可恥。請記住，您不是唯一的，而且您並不孤單。

探索克服情緒的方法，改善生活！做一些你喜歡減壓的事情！它可以是嘻哈舞蹈、繪畫、鍛煉、運動、與積極的人一起出去玩、任何可以減壓的事情.....保持積極、樂觀，不要害怕不確定性。

不要一直堅持生活中的負擔和壓力。我發現這個視頻非常真實，希望它能幫助你從不同的角度看待壓力。**2022** 年將是最偉大的一年！

一杯水有多重？

新年快樂！

為 2022 年制定一個很棒的遊戲計劃！

丹尼爾先生