Newsletter

Invest with Nick

Book

Posted May 8, 2018 by Nick Maggiulli

Home

In the late 1970s the view in the publishing world was that an author should never produce more than one book a year. The thinking was that publishing more than one book a year would dilute the brand name of the author.

However, this was a bit of a problem for Stephen King, who was writing books at a rate of *two* per year. Instead of slowing down, King decided to publish his additional works under the pen name of Richard Bachman. Over the next few years, every book King published sold millions, while Richard

However, this all changed when a book store clerk in Washington, D.C. named Steve Brown noticed the similarity of writing styles between King and Bachman. After being

Bachman remained relatively unknown. King was a legend. Bachman a nobody.

confronted with the evidence, King confessed and agreed to an interview with Brown a few weeks later. The Click Moment: Seizing Opportunity in an Unpredictable World tells the story of what happened next:

In 1986, once the secret was out, King re-released all of Bachman's published works under his real name and they skyrocketed up bestseller lists. The first run of Thinner had sold 28,000 copies — the most of any

Bachman book and above average for an author. The moment it became known that Richard Bachman was Stephen King, however, the Bachman books took off with sales quickly reaching 3 million copies. This phenomenon isn't exclusive to Stephen King either. J.K. Rowling published a book called The Cuckoo's Calling under the pen name Robert Galbraith only to be outed by someone performing advanced text analysis with a computer. Shortly after the public discovered Galbraith was Rowling, *The Cuckoo's Calling* increased in sales

by over 150,000% shooting to the #3 on Amazon's bestseller list after previously being ranked 4,709th. Both King and Rowling's foray into undercover writing reveals a harsh truth about success and social status—winners keep winning. This idea is formally known as cumulative advantage, or the Matthew effect, and explains how those who start with an advantage relative to others can retain that advantage over long periods of time.

<u>Michael Mauboussin's The Success Equation</u> where he writes: The Matthew effect explains how two people can start in nearly the same place and end up worlds apart. In these kinds of systems, initial conditions matter. And as time goes on, they matter more and more.

This effect has also been shown to describe how <u>music gets popular</u>, but applies to any

domain that can result in fame or social status. I discovered this concept by reading

despite being of similar quality. While I find these anecdotes and others useful, we can illustrate cumulative advantage using a simple simulation. To start, imagine we have 400 marbles in a bag equally spread across 4 different colors

(i.e. 100 black, 100 blue, 100 red, 100 green). Now we draw a color at random and add

1 additional marble of that same color back to the bag.

marble market shares in each round):

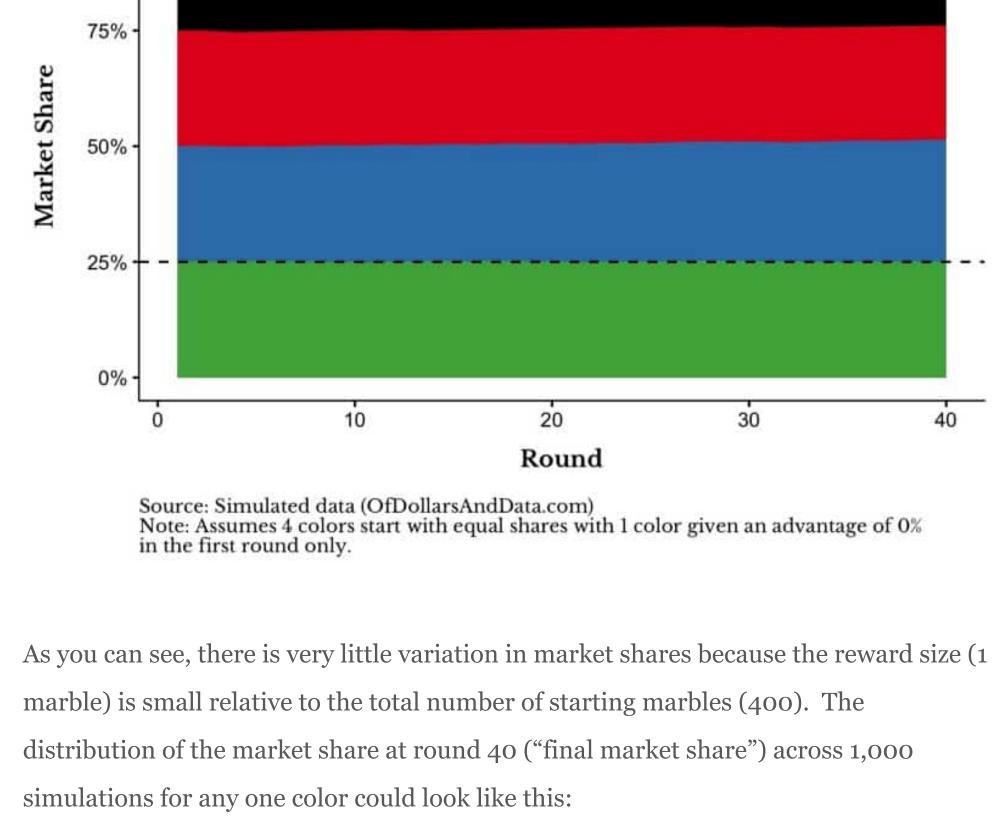
This explains how King and Rowling sell millions while Bachman and Galbraith don't,

So, if we drew a green marble in the first round, we would have 101 green marbles, 100 red, 100 black, and 100 blue in the bag at the end of the first round. We would keep drawing marbles and adding the 1 additional marble to the bag over 40 rounds and then end the game.

One such simulation of this game could look like this (Note: the colors represent the

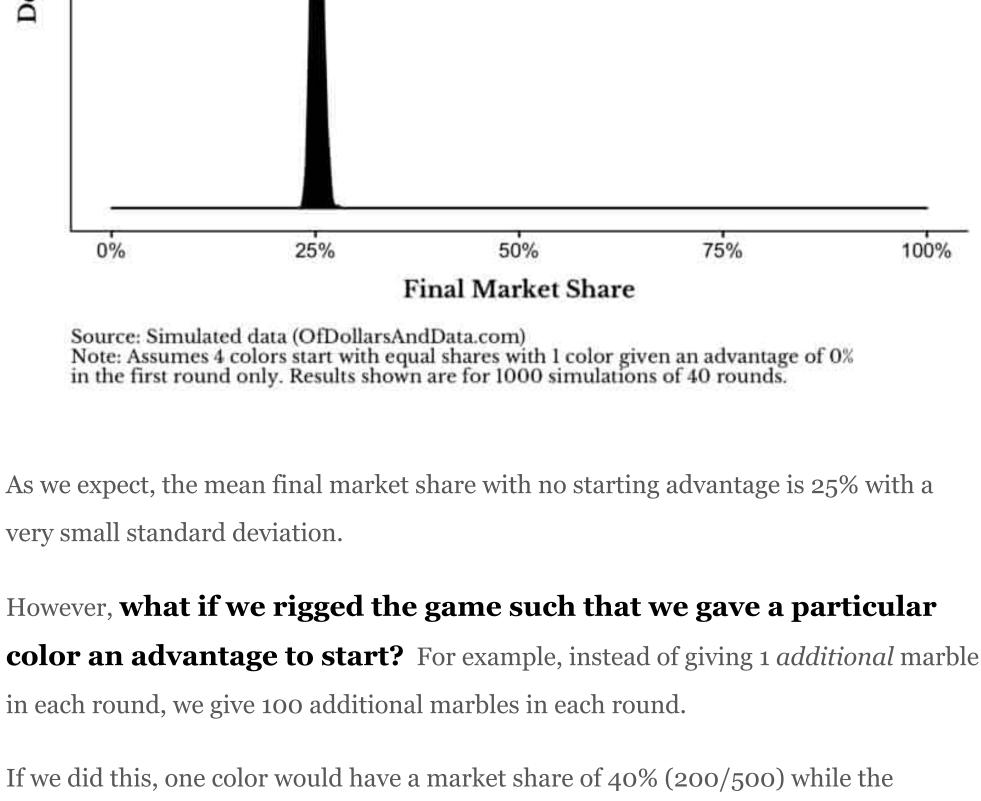
Market Shares for 1 Simulation With

a Starting Advantage of 0% 100%



Distribution of Final Market Share

With A Starting Advantage of 0%



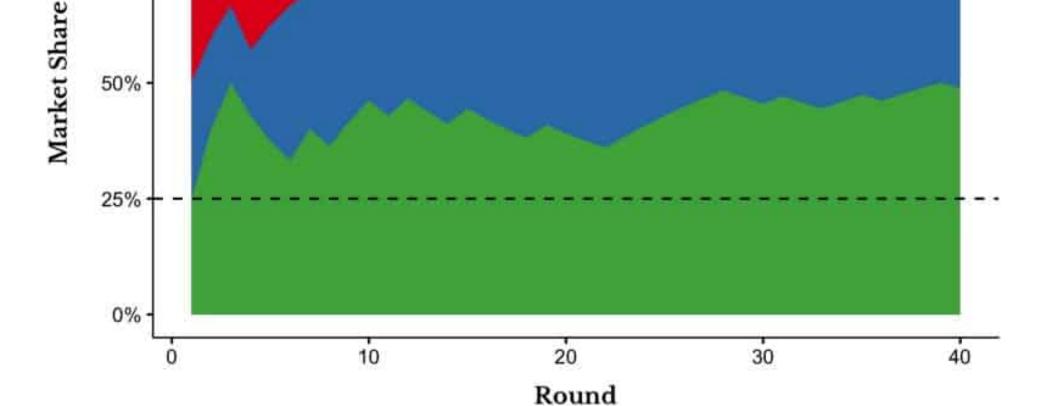
Market Shares for 1 Simulation With a Starting Advantage of 20% 100%

remaining colors had a share 20% (100/500) starting round 2. This is a starting

given the starting advantage, could look like this:

75%

advantage of 20% (40% - 20%) in market share. One such simulation, where green is



Note: Assumes 4 colors start with equal shares with 1 color given an advantage of 20%

Distribution of Final Market Share

With A Starting Advantage of 20%

As you can see, the green color starts with a huge lead and never gives it up over time.

Across 1,000 simulations like the one above, the distribution of final market share for

Source: Simulated data (OfDollarsAndData.com)

the advantaged color (i.e. green) could look like this:

in the first round only.

Density 50% 100% 0% 25% 75% **Final Market Share** Source: Simulated data (OfDollarsAndData.com) Note: Assumes 4 colors start with equal shares with 1 color given an advantage of 20% in the first round only. Results shown are for 1000 simulations of 40 rounds. With that 20% initial advantage, the final market share increases significantly. What

is even more amazing is that this advantage was only given in the

first round and everything after that was left to chance. If we were to

Distribution of Final Market Share

With A Starting Advantage of 5%

keep increasing the size of the starting advantage, the distribution of final market

shares would continue to increase as well:

Density

influenced by chance events.

than most?

this way, it can change the way you view your life...

25% 75% 0% 50% 100% **Final Market Share** Source: Simulated data (OfDollarsAndData.com) Note: Assumes 4 colors start with equal shares with 1 color given an advantage of 5% in the first round only. Results shown are for 1000 simulations of 40 rounds. The purpose of this simulation is to demonstrate how important starting conditions

are when determining long term outcomes. Instead of marbles though it could be

We like to think in America that most things come down to hard work, but a few lucky

(or unlucky) breaks early on can have lasting effects over decades. If we look at luck in

wealth, or popularity, or book sales. And most of these outcomes are greatly

The Worlds We Simulate Think about the story you tell yourself about yourself. In all the lives you could be living, in all of the worlds you could simulate, how much did luck play a role in this one? Have you gotten more than your fair share? Have you had to deal with more struggles

I ask you this question because accepting luck as a primary determinant in your life is

Because when you realize the magnitude of happenstance and serendipity in your life,

you can stop judging yourself on your outcomes and start focusing on your efforts. It's

I know this because I have had far more luck than most. If I ran the world 1,000 times over, in less than a handful would I be where I am today.

one of the most *freeing* ways to view the world. Why?

the only thing you can control.

it everyday. However, I've always tried to work hard and that's where I get my satisfaction. So don't let good luck put you on a pedestal, but don't let bad luck knock you down

either. Because for every Stephen King there is a Richard Bachman that never saw the

others and some of us are born with less, but you should never let

light of day. Yes, some of us are born with more advantages than

Most lower-middle class kids growing up with divorced parents don't get the chance to

get a full ride to a top university. And even fewer ever find their passion and get to do

that define how hard you try. So, best of luck from Of Dollars And Data and thank you for reading! If you liked this post, consider signing up for my newsletter. This is post 71. Any code I have related to this post can be found here with the same

program designed to provide a means for sites to earn advertising fees by advertising and linking to Amazon.com and affiliated sites. Now go talk about it.

For disclosure information please visit: https://ritholtzwealth.com/blog-disclosures/

numbering: https://github.com/nmaggiulli/of-dollars-and-data

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Losing Dollars vs.

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In the Eye of the

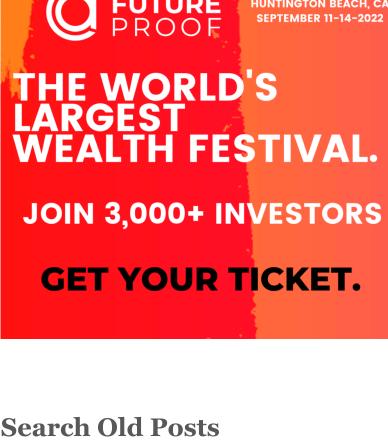
Beholder



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