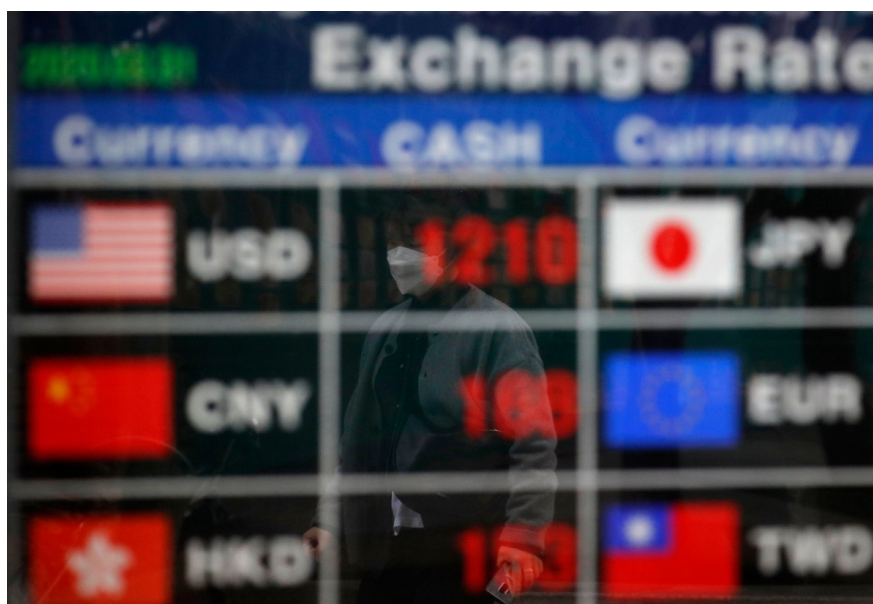


Understanding the pandemic stock market

In all three phases of the Covid-19 stock market, the effects of genuine news are apparent. But price movements are not necessarily a prompt, logical response to it. In fact, they rarely are [writes Robert J. Shiller for Project Syndicate](#)



Stock market behavior seems to defy logic during covid-19

The performance of stock markets, especially in the United States, during the coronavirus pandemic seems to defy logic. With cratering demand dragging down investment and employment, what could possibly be keeping share prices afloat?

The more economic fundamentals and market outcomes diverge, the deeper the mystery becomes until one considers possible explanations based on crowd psychology, the virality of ideas, and the dynamics of narrative epidemics. After all, stock-market movements are driven largely by investors' assessments of other investors' evolving reaction to the news, rather than the news itself.

That is because most people have no way to evaluate the significance of economic or scientific news. Especially when mistrust of news media is high, they tend to rely on how people they know

respond to news. This process of evaluation takes time, which is why stock markets do not respond to news suddenly and completely, as conventional theory would suggest. The news starts a new trend in markets, but it is sufficiently ambiguous that most smart money has difficulty profiting from it.

There are at least three separate phases in the US

Of course, it is hard to know what drives the stock market, but we can at least conjecture ex-post, based on available information.

There are three separate phases of the puzzle in the US: the 3% rise in the S&P 500 from the beginning of the coronavirus crisis, on January 30, to February 19; the 34% drop from that date until March 23; and the 42% upswing from March 23 to the present. Each of these phases reveals a puzzling association with the news, as the lagged market reaction is filtered through investor reactions and stories.

The first phase started when the World Health Organization declared the new coronavirus “a public health emergency of international concern” on January 30. Over the next 20 days, the S&P 500 rose by 3%, hitting an all-time record high on February 19. Why would investors give shares their highest valuation ever right after the announcement of a possible global tragedy? Interest rates did not fall over this period. Why didn't the stock market “predict” the coming recession by declining before the downturn started?

One conjecture is that a pandemic wasn't a familiar event, and most investors in early February just weren't convinced that other investors and consumers paid any attention to such things, until they saw a bigger reaction to the news and in market prices. Their lack of past experience since the 1918-20 influenza pandemic meant that there was no statistical analysis of such events' market impact. The beginnings of lockdowns in late January in China received scant attention in the world press. The disease caused by the new coronavirus didn't even have a name until February 11, when the WHO christened it Covid-19.

In the weeks before February 19, public attention to longstanding problems such as global warming, secular stagnation, or debt overhangs were fading. President Donald Trump's impeachment trial, which ended February 5, still dominated talk in the US, and many politicians apparently still found it counterproductive to raise alarms about a hypothetical new enormous tragedy looming.

The second phase began when the S&P 500 plummeted 34% from February 19 to March 23, a drop akin to the 1929 stock market crash. Yet, as of February 19, there had been only a handful of reported Covid-19 deaths outside of China. What changed investors' thinking over that interval was not just one narrative, but a constellation of related narratives.

Some of the new news was nonsense. On February 17, a run on toilet paper in Hong Kong was mentioned for the first time, and became a highly contagious story as a sort of joke. Of course, the news about the spread of the disease was becoming more international. The WHO dubbed it a pandemic on March 11. Internet searches for “pandemic” peaked in the week of March 8-14, and searches for “coronavirus” peaked in the week of March 15-21.

It appears that in this second phase, people were trying to learn the basics about this strange event. Most people couldn't get a handle on it immediately, let alone imagine that others who

might influence market prices were doing so.

Fear of missing out took hold in the end

As the stock-market downturn proceeded, vivid stories appeared of hardship and business disruption caused by the lockdown. For example, some people in locked-down China reportedly were reduced to searching for minnows and ragworms to eat. In Italy, there were stories of medical workers in overwhelmed hospitals being forced to choose which patients would receive treatment. Narratives about the great depression of the 1930s flourished.

The beginning of the third phase, when the S&P 500 market began its 40% rise, was marked by some genuine news about both fiscal and monetary policy. On March 23, after interest rates had already been cut to virtually zero, the US Federal Reserve announced an aggressive program to establish innovative credit facilities. Four days later, President Trump signed the \$2 trillion Coronavirus Aid, Relief, and Economic Security (CARES) Act, promising aggressive fiscal stimulus.

Both of these measures, and similar actions in other countries, were described as resembling the actions taken to counter the 2008-09 Great Recession, which was followed by a gradual but ultimately huge increase in stock prices. The S&P 500 increased fivefold from its bottom on March 09, 2009, to February 19, 2020. Most people have no idea what's in the Fed plan or the CARES Act, but investors did know of one recent example when such measures apparently worked.

Stories of smaller but still significant stock-market collapses and strong recoveries, a couple of them from 2018, were widely recalled. Talk of regrets about not buying at the bottom then, or in 2009, may have left the impression that the market had fallen enough in 2020. At that point, FOMO (fear of missing out) took hold, reinforcing investors' belief that it was safe to go back in.

In all three phases of the Covid-19 stock market, the effects of genuine news are apparent. But price movements are not necessarily a prompt, logical response to it. In fact, they rarely are.

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Author

Alissa Lefebvre

Economist

alissa.lefebvre@ing.com

Deepali Bhargava

Regional Head of Research, Asia-Pacific

Deepali.Bhargava@ing.com

Ruben Dewitte

Economist

+32495364780

ruben.dewitte@ing.com

Kinga Havasi

Economic research trainee

kinga.havasi@ing.com

Marten van Garderen

Consumer Economist, Netherlands

marten.van.garderen@ing.com

David Havrlant

Chief Economist, Czech Republic

420 770 321 486

david.havrlant@ing.com

Sander Burgers

Senior Economist, Dutch Housing

sander.burgers@ing.com

Lynn Song

Chief Economist, Greater China

lynn.song@asia.ing.com

Michiel Tukker

Senior European Rates Strategist

michiel.tukker@ing.com

Michal Rubaszek

Senior Economist, Poland

michal.rubaszek@ing.pl

This is a test author

Stefan Posea

Economist, Romania

tiberiu-stefan.posea@ing.com

Marine Leleux

Sector Strategist, Financials

marine.leleux2@ing.com

Jesse Norcross

Senior Sector Strategist, Real Estate

jesse.norcross@ing.com

Teise Stellema

Research Assistant, Energy Transition

teise.stellema@ing.com

Diederik Stadig

Sector Economist, TMT & Healthcare
diederik.stadig@ing.com

Diogo Gouveia
Sector Economist
diogo.duarte.vieira.de.gouveia@ing.com

Marine Leleux
Sector Strategist, Financials
marine.leleux2@ing.com

Ewa Manthey
Commodities Strategist
ewa.manthey@ing.com

ING Analysts

James Wilson
EM Sovereign Strategist
James.wilson@ing.com

Sophie Smith
Digital Editor
sophie.smith@ing.com

Frantisek Taborsky
EMEA FX & FI Strategist
frantisek.taborsky@ing.com

Adam Antoniak
Senior Economist, Poland
adam.antoniak@ing.pl

Min Joo Kang
Senior Economist, South Korea and Japan
min.joo.kang@asia.ing.com

Coco Zhang
ESG Research
coco.zhang@ing.com

Jan Frederik Slijkerman
Senior Sector Strategist, TMT
jan.frederik.slijkerman@ing.com

Katinka Jongkind
Senior Economist, Services and Leisure

Katinka.Jongkind@ing.com

Marina Le Blanc

Sector Strategist, Financials

Marina.Le.Blanc@ing.com

Samuel Abettan

Junior Economist

samuel.abettan@ing.com

Franziska Biehl

Economist, Germany

Franziska.Marie.Biehl@ing.de

Rebecca Byrne

Senior Editor and Supervisory Analyst

rebecca.byrne@ing.com

Mirjam Bani

Sector Economist, Commercial Real Estate & Public Sector (Netherlands)

mirjam.bani@ing.com

Timothy Rahill

Credit Strategist

timothy.rahill@ing.com

Leszek Kasek

Senior Economist, Poland

leszek.kasek@ing.pl

Oleksiy Soroka, CFA

Senior High Yield Credit Strategist

oleksiy.soroka@ing.com

Antoine Bouvet

Head of European Rates Strategy

antoine.bouvet@ing.com

Jeroen van den Broek

Global Head of Sector Research

jeroen.van.den.broek@ing.com

Edse Dantuma

Senior Sector Economist, Industry and Healthcare

edse.dantuma@ing.com

Francesco Pesole

FX Strategist

francesco.pesole@ing.com

Rico Luman

Senior Sector Economist, Transport and Logistics

Rico.Luman@ing.com

Jurjen Witteveen

Sector Economist

jurjen.witteveen@ing.com

Dmitry Dolgin

Chief Economist, CIS

dmitry.dolgin@ing.de

Nicholas Mapa

Senior Economist, Philippines

nicholas.antonio.mapa@asia.ing.com

Egor Fedorov

Senior Credit Analyst

egor.fedorov@ing.com

Sebastian Franke

Consumer Economist

sebastian.franke@ing.de

Gerben Hieminga

Senior Sector Economist, Energy

gerben.hieminga@ing.com

Nadège Tillier

Head of Corporates Sector Strategy

nadege.tillier@ing.com

Charlotte de Montpellier

Senior Economist, France and Switzerland

charlotte.de.montpellier@ing.com

Laura Straeter

Behavioural Scientist

+31(0)611172684

laura.Straeter@ing.com

Valentin Tataru

Chief Economist, Romania

valentin.tataru@ing.com

James Smith

Developed Markets Economist, UK
james.smith@ing.com

Suvi Platerink Kosonen
Senior Sector Strategist, Financials
suvi.platerink-kosonen@ing.com

Thijs Geijer
Senior Sector Economist, Food & Agri
thijs.geijer@ing.com

Maurice van Sante
Senior Economist Construction & Team Lead Sectors
maurice.van.sante@ing.com

Marcel Klok
Senior Economist, Netherlands
marcel.klok@ing.com

Piotr Poplawski
Senior Economist, Poland
piotr.poplawski@ing.pl

Paolo Pizzoli
Senior Economist, Italy, Greece
paolo.pizzoli@ing.com

Marieke Blom
Chief Economist and Global Head of Research
marieke.blom@ing.com

Raoul Leering
Senior Macro Economist
raoul.leering@ing.com

Maarten Leen
Head of Global IFRS9 ME Scenarios
maarten.leen@ing.com

Maureen Schuller
Head of Financials Sector Strategy
Maureen.Schuller@ing.com

Warren Patterson
Head of Commodities Strategy
Warren.Patterson@asia.ing.com

Rafal Benecki

Chief Economist, Poland
rafal.benecki@ing.pl

Philippe Ledent
Senior Economist, Belgium, Luxembourg
philippe.ledent@ing.com

Peter Virovacz
Senior Economist, Hungary
peter.virovacz@ing.com

Inga Fechner
Senior Economist, Germany, Global Trade
inga.fechner@ing.de

Dimitry Fleming
Senior Data Analyst, Netherlands
Dimitry.Fleming@ing.com

Ciprian Dascalu
Chief Economist, Romania
+40 31 406 8990
ciprian.dascalu@ing.com

Muhammet Mercan
Chief Economist, Turkey
muhammet.mercan@ingbank.com.tr

Iris Pang
Chief Economist, Greater China
iris.pang@asia.ing.com

Sophie Freeman
Writer, Group Research
+44 20 7767 6209
Sophie.Freeman@uk.ing.com

Padhraic Garvey, CFA
Regional Head of Research, Americas
padhraic.garvey@ing.com

James Knightley
Chief International Economist, US
james.knightley@ing.com

Tim Condon
Asia Chief Economist
+65 6232-6020

Martin van Vliet

Senior Interest Rate Strategist

+31 20 563 8801

martin.van.vliet@ing.com

Robert Carnell

Regional Head of Research, Asia-Pacific

robert.carnell@asia.ing.com

Karol Pogorzelski

Senior Economist, Poland

Karol.Pogorzelski@ing.pl

Carsten Brzeski

Global Head of Macro

carsten.brzeski@ing.de

Viraj Patel

Foreign Exchange Strategist

+44 20 7767 6405

viraj.patel@ing.com

Owen Thomas

Global Head of Editorial Content

+44 (0) 207 767 5331

owen.thomas@ing.com

Bert Colijn

Chief Economist, Netherlands

bert.colijn@ing.com

Peter Vanden Houte

Chief Economist, Belgium, Luxembourg, Eurozone

peter.vandenhoute@ing.com

Benjamin Schroeder

Senior Rates Strategist

benjamin.schroeder@ing.com

Chris Turner

Global Head of Markets and Regional Head of Research for UK & CEE

chris.turner@ing.com

Gustavo Rangel

Chief Economist, LATAM

+1 646 424 6464

gustavo.rangel@ing.com

Carlo Cocuzzo

Economist, Digital Finance

+44 20 7767 5306

carlo.cocuzzo@ing.com