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Source: www.independent.co.uk, March 4,2022





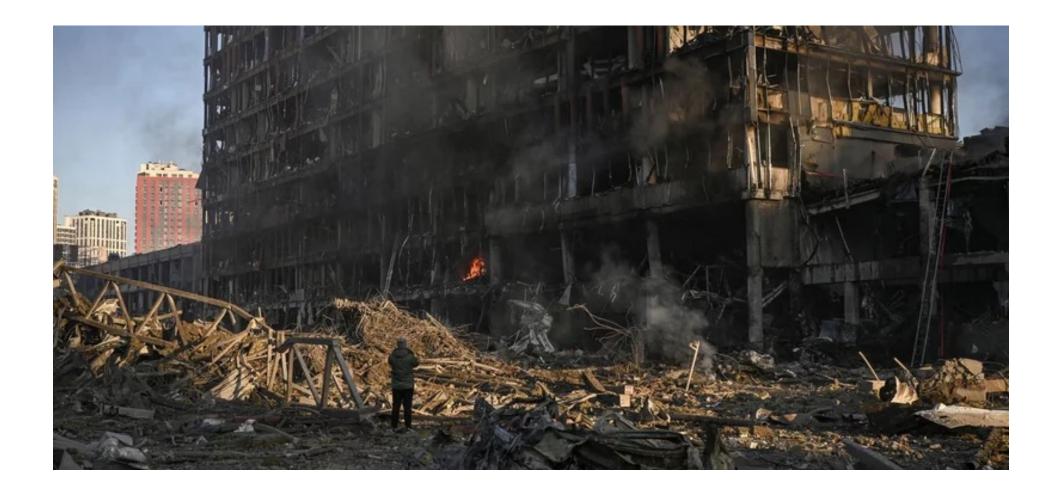
www.bostonglobe.com, March 4, 2022





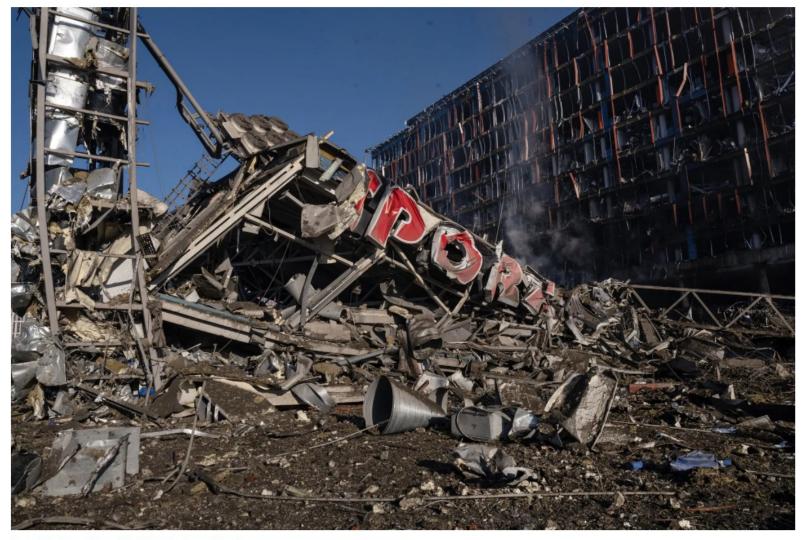
www.jpost.com, March 3, 2022





www.npr.org, March 21, 2022





Part of the Retroville mall in Kyiv, Ukraine, on Monday. Lynsey Addario for The New York Times

www.nytimes.com, March 23, 2022





www.npr.org, March 11, 2022







Photo source: twitter.com



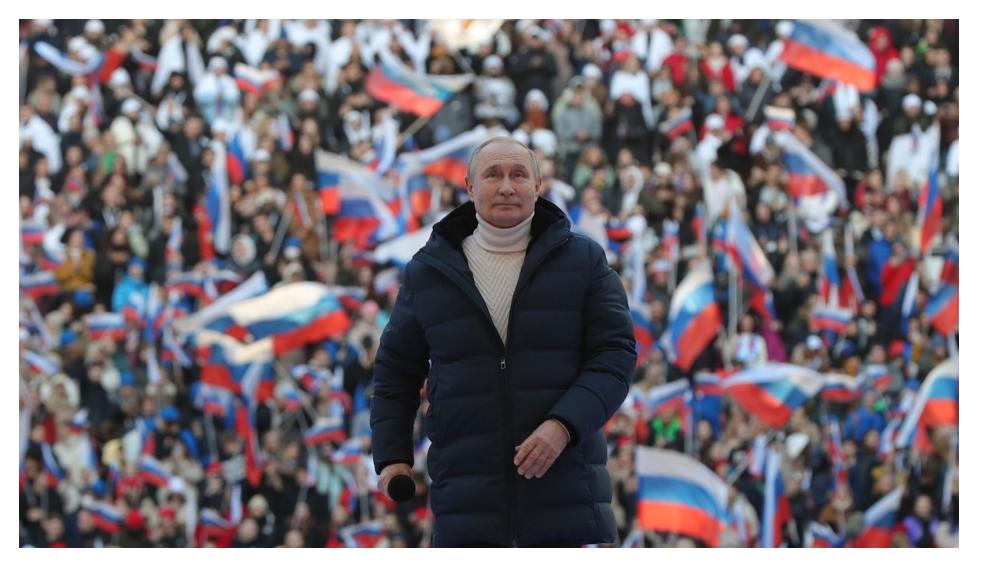
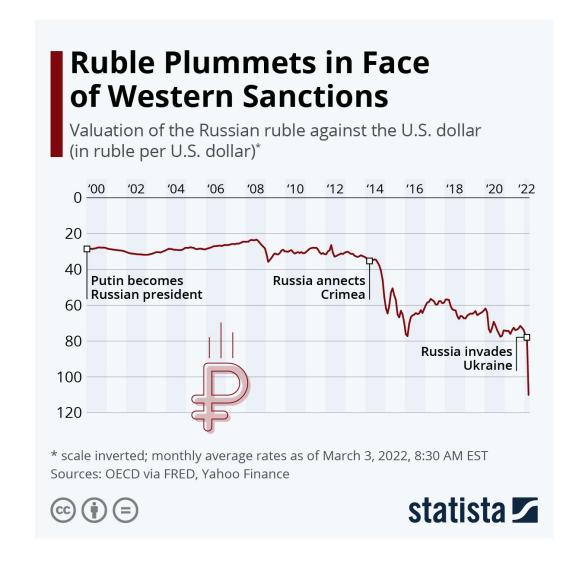


Photo source: washington.post.com







What Putin wants

- 1. Officially ceding Crimea from the Ukraine to Russia
- Declaration of independent nation-states in the East (Luhask, Donetsk)
- A declaration that Ukraine be formally neutral and will never join NATO
- 4. The end of Western sanctions

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Let's go back in history

- The USSR has just unwound
- Ukraine had the third largest fleet of ICBMs (intercontinental ballistic missiles) in the world





Photo source: https://www.wsj.com/articles/how-ukraine-was-betrayed-in-budapest-russia-vladimir-putin-us-uk-volodymyr-zelensky-nuclear-weapons-11645657263



What did the Budapest Memorandum of 1994 do?

The most important [agreement] was to "reaffirm their obligation to refrain from the threat or use of force against the territorial integrity or political independence of Ukraine." They also pledged to "refrain from economic coercion" against Ukraine and to "seek immediate United Nations Security Council action to provide assistance to Ukraine" in the event of an "act of aggression" against the country. Ukraine had returned all of the nuclear weapons to Russia by 1996.

Source: https://www.wsj.com/articles/how-ukraine-was-betrayed-in-budapest-russia-vladimir-putin-us-uk-volodymyr-zelensky-nuclear-weapons-11645657263



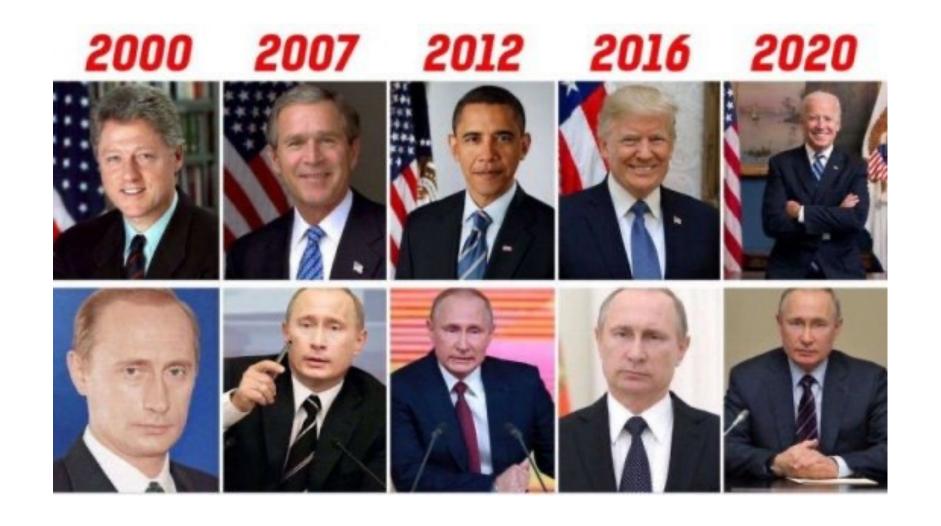


Photo source: https://www.quora.com/How-many-US-Presidents-has-Vladimir-Putin-met-and-which-one-did-have-the-closest-relationship-with



Russians have made few advances in recent days





What we've learned

- Russia's military isn't as fearsome as anticipated
- Putin's tactical skill was overrated
- Sanctions can be meaningful
- Western fragmentation can be reversed



A military proverb: "Amateurs talk about strategy, but professionals study logistics."



Possible outcomes

- A long grinding war
- A very unpleasant compromise
- Putin being ousted

Source: https://www.brookings.edu/opinions/honoring-neither-the-letter-nor-the-law/ This communication expresses the views of Eventide Asset Management, LLC. This is for informational purposes only



Bolstering security is the need of our generation

- Food security
- Energy security
- Cybersecurity
- Medicine supply security
- Technology security
- Transportation security
- ...and more





Source: https://www.latimes.com/business/story/2022-03-09/most-expensive-gas-stations-in-la



Why has the price of gasoline gone up so much?



Oil is a fungible commodity



Fungible

My \$10 is valued the same as your \$10



Semi-fungible

We both have tickets to the show, although the seat numbers could after the value



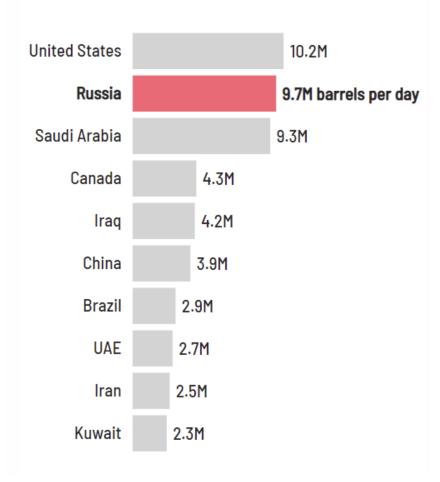
Non-fungible

Represents something unique in value

Photo source: https://support.opensea.io/hc/en-us/articles/360063450733-What-is-a-Non-Fungible-Token-NFT-



Top crude oil producers in 2021



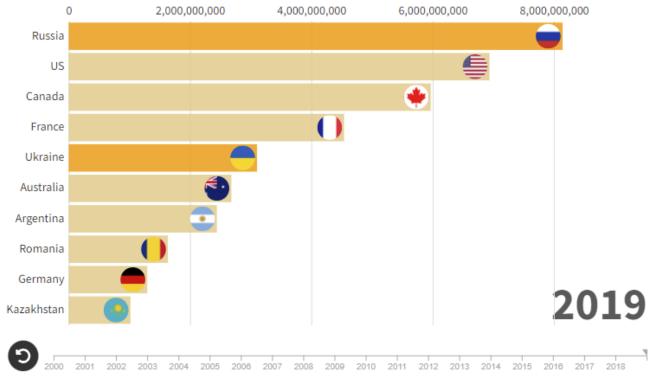
Source: Rystad Energy



Top wheat exporters around the world

Trade value of wheat in USD (2000-2019)

Click on the play icon to replay the animation

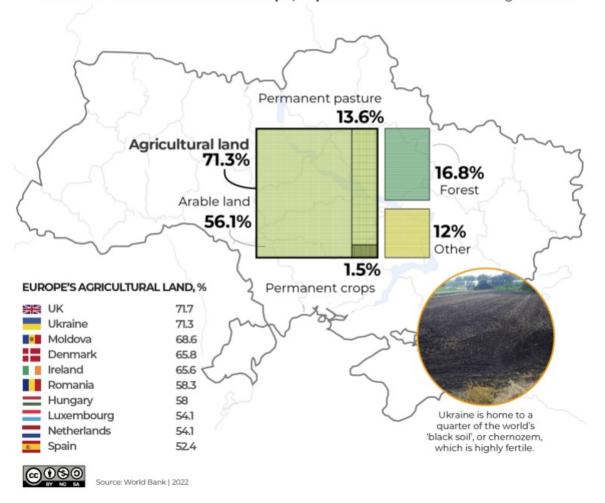


Source: OEC, 2019 • February 17, 2022



Ukraine's agricultural land

Considered the breadbasket of Europe, 71 percent of Ukraine's land is agricultural.





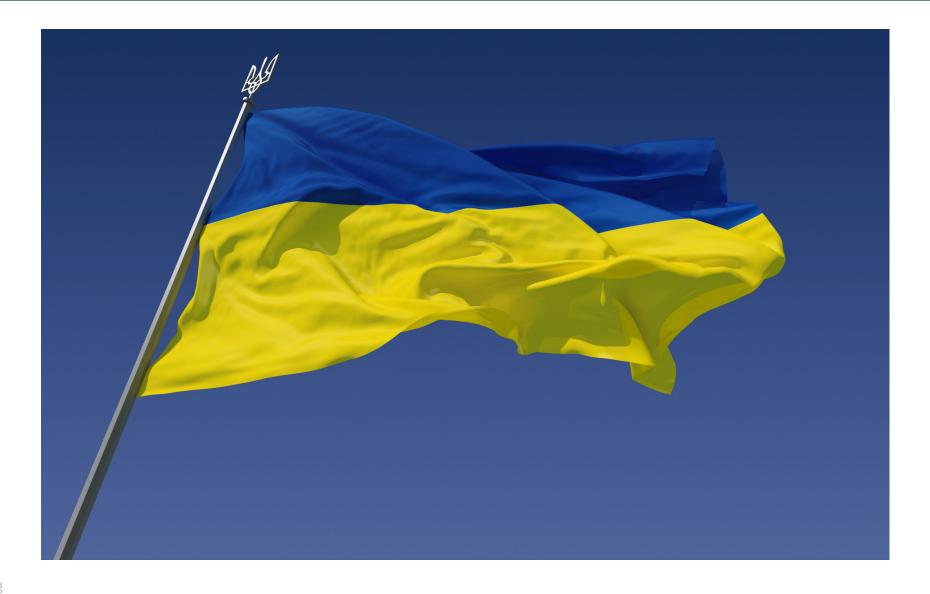
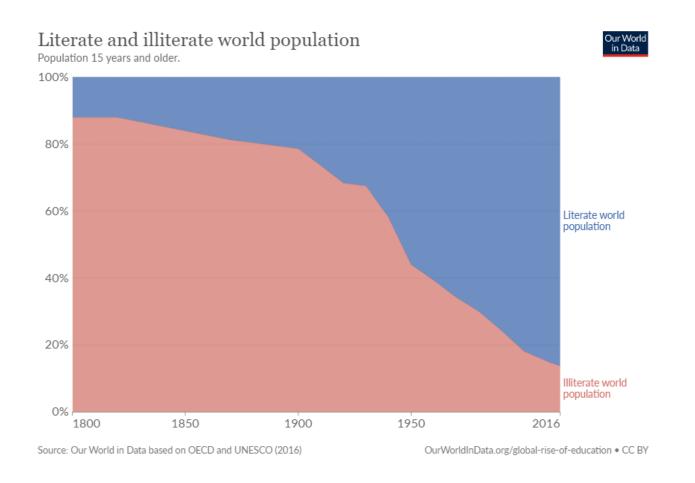


Photo source: Wikipedia.org



Reading literacy has significantly improved



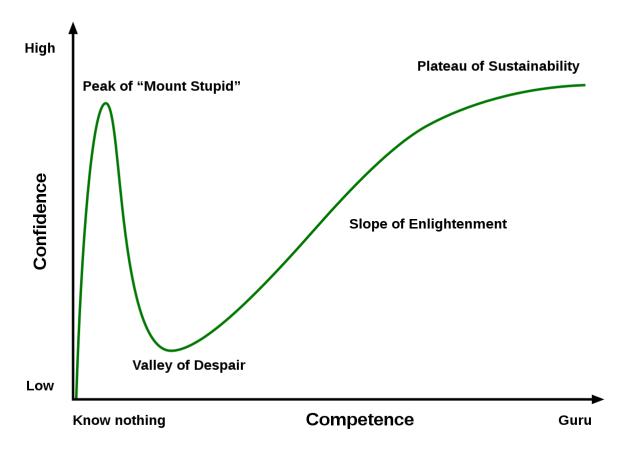


The Dunning-Kruger effect





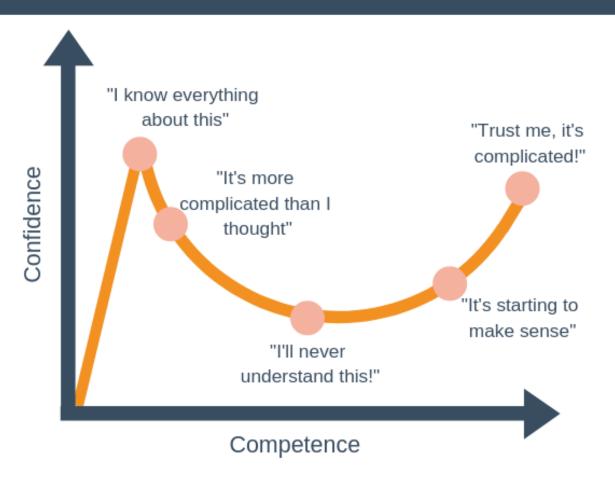
Dunning-Kruger Effect



https://commons.wikimedia.org/



The Dunning-Kruger Thought Process



https://expertprogrammanagement.com/2019/02/dunning-kruger-effect/

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"Finance would be better if it was taught by the psychology and history departments."

- Morgan Housel





Market timing is dangerous business

		Excluding best 10d per
Decade	Price return	decade
1930	-42%	-79%
1940	35%	-14%
1950	257%	167%
1960	54%	14%
1970	17%	-20%
1980	227%	108%
1990	316%	186%
2000	-24%	-62%
2010	190%	95%
2020	33%	-24%
Since 1930	19,975%	45%

Source: BAML. The table shows S&P 500 returns.



What about risk illiteracy?

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How does risk management begin?

"The first step in the risk management process is to acknowledge the reality of risk. Denial is a common tactic that substitutes deliberate ignorance for thoughtful planning." - Charles Tremper



Photo source: https://www.sciencefocus.com/nature/do-ostriches-really-bury-their-head-in-the-sand/



Risk versus strategy

"Managing risk is very different from managing strategy. Risk management focuses on the negative threats and failures rather than opportunities and successes."

- Robert Kaplan





Risks abound in our world

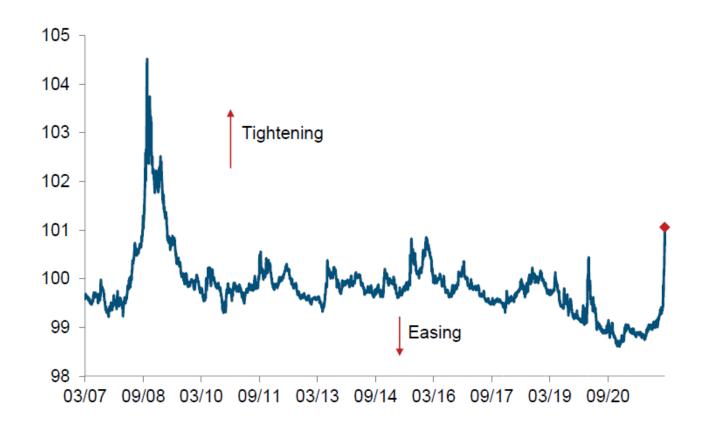
- Supply chains that run through hostile, dishonest, vulnerable, or unstable nations
- Authoritarian regimes that are heavily armed
- A growing inability of the public to discern truth from error
- Divided internets & propaganda machines
- Risk illiteracy



Could this be the beginning of new investment themes?



Financial conditions are tightening



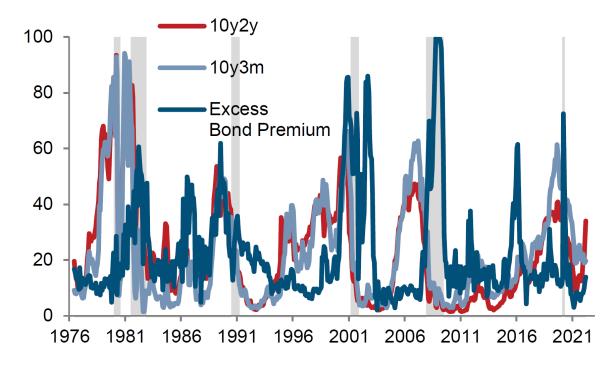
Source: Goldman Sachs; as of March 14, 2022



What about a stagflation-induced recession?

The yield curve implies ~20-35% odds of a US recession over the next year

Market-implied odds of a recession in the next 12 months, %



Source: Bloomberg, Goldman Sachs; as of March 14, 2022



The thesis of values-based investing is clear during times like this



Left the Russian market

FULLY OR PARTIALLY, AS OF 2 MARCH 2022

Source: twitter.com. This communication expresses the views of Eventide Asset Management, LLC. This is for informational purposes only.



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Eventide Asset Management, LLC | One International Place, Ste. 4210 | Boston, MA 02110 | 877-771-EVEN (3836)