



Public Relations Committee  
MBA International Business

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# Sampark

Monthly E-newsletter

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# UNDERSTANDING VACCINE EFFICACIES

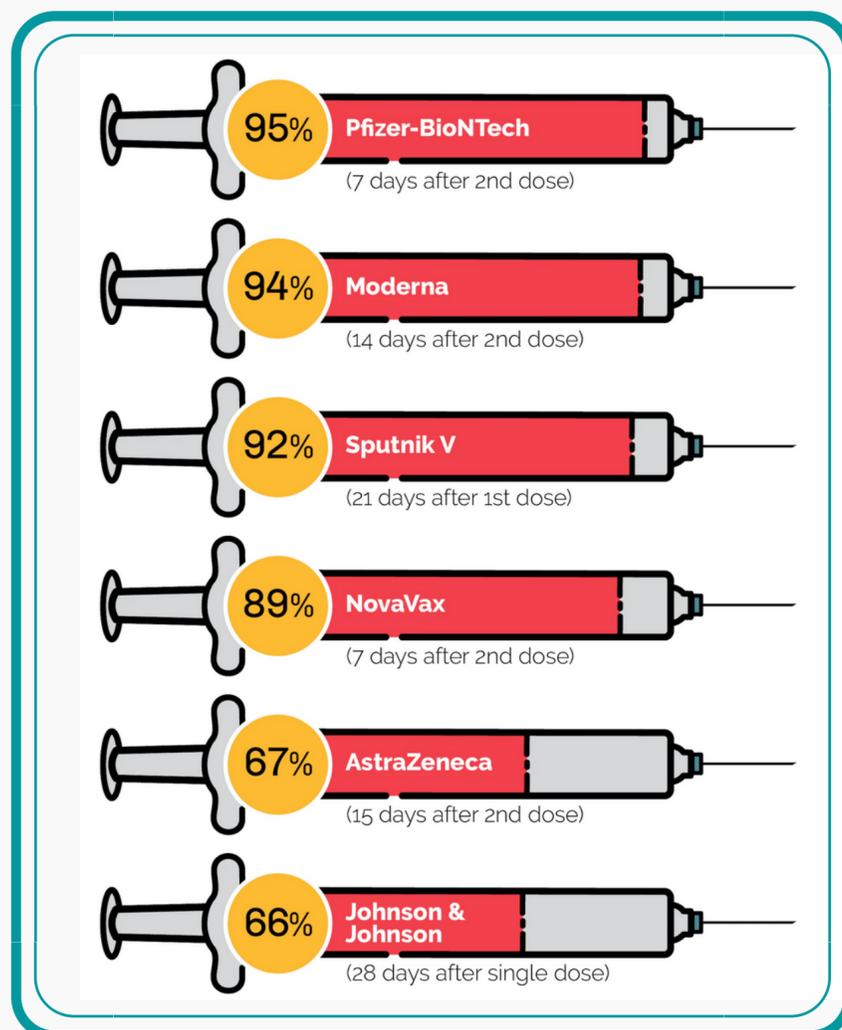
The COVID-19 vaccination drive is at full force in India, and many people are still unaware of how the available vaccines are different from each other.

**Vaccine Efficacy of Covid-19 vaccines is mentioned in percentages. The way it is calculated and interpreted is a little more complicated.**

**If, for instance, a vaccine is 90% efficacious, this means that out of the total number of people enrolled in the vaccine trial, if about 1% of the people in the control group (who received the placebo instead of the vaccine) get symptomatic Covid-19, only 0.1% of those in the experimental group (who received the vaccine) would get symptomatic Covid-19.**

**Efficacy is a comparative measure of vaccine performance and not its absolute measure. Ninety percent efficacy simply means that if 10 people out of 100 unvaccinated people normally get symptomatic, disease, only one out of 100 vaccinated ones would get it.**

**The formula used to measure vaccine efficacy is  $100 \times [1 - (\text{attack rate in the experimental group} / \text{attack rate in the control group})]$ . In our example, it would be  $100 \times [1 - (1/10)] = 90\%$ .**



**A**fter a very severe situation in the month of April'21 in India, the second wave of the covid-19 pandemic is deepening down. Around 10 out of 20 major states of India have a decreasing rate of covid-19 cases and deaths. The circumstances faced during the second wave should be a major warning for one of the world's biggest democracies with a population of 1.4 billion people. The current period of time is a crucial chance to curb covid-19 by ramping up the vaccination program before the next probable wave comes. But there are some major obstacles to be faced.

The new variant of Covid has proved to be more fatal and holds the potential to completely cripple the healthcare system. Another rising challenge is the increase in the cases of fungus infection post covid treatment. A lot of increasing fungal infections, including black, white, and the more recently found yellow fungus have all been related to COVID-19 cases.

# **INDIA'S VACCINATION BATTLE AGAINST EXCESSIVE MORTALITY AND NEW DISEASES**

- Amit D. Solanki  
MBA-IB 2022

**As of now, Vaccination is the only way to free India from Covid, but it needs to be fast enough to minimize mortality.**

**From May 1st, those above 18 are also eligible for vaccination Given that each person needs two doses of the vaccine for full immunity, the country now needs 1.8 billion doses. With the current monthly production of the two Indian vaccine manufacturers pegged at 110 million doses a month, it would take a year and a half to fully vaccinate every citizen above 18 years.**

**The Indian government is confident that the country will be able to meet an ambitious target of having more than 2 billion coronavirus vaccine doses by the end of the year. To boost vaccine availability, the government has also approved the import and distribution of Russian-made Sputnik V.**

**Along with adequate production, It is also to be understood that producing vaccination is only one side of a coin. We also need enough medical personnel to inject vaccines into the people of our nation. Since 16th January 2021, on average, nearly 1.5 million people are getting vaccinated daily. Nobody knows whether the third wave will hit India or not but We need to boost the daily administered vaccine count significantly.**



**A LONG WAY  
TO GO...**



**1**

**Doses Administered**

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**24 Cr.**

**2**

**Fully Vaccinated**

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**4.6cr**

**3**

**Population Vaccinated**

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**3.4%**





## **Elon & The Bitcoin Mania**

Bitcoin and cryptocurrencies are trending crazy around the world again after four years. It is that quadrennial period when Media is pushing the public to buy cryptocurrencies. But, recently, the narrative took a huge turn, and at the center of this change stands Elon Musk.

Bitcoin has been on a massive bull run since April 2020, taking other cryptocurrencies along with it. Elon Musk also entered this mania in February 2021 when Tesla announced that they have purchased a whopping 1.5 billion dollars of bitcoin. Bringing high credibility to the crypto market, Elon became an advocate of Bitcoin and cryptocurrencies on Twitter.

All was going well and great, but in May, Elon's perspective suddenly shifted massively. He broke hearts with tweets questioning the digital asset, particularly its vast consumption of electricity produced from polluting substances like coal. It started a chain of panic selling in the market, pushing bitcoin to prices as low as \$30,000.

Today, Bitcoin is hanging by a thread after this massive 50% drop in value. The vast majority of retailers have left the game liquidated by this volatility, and the survivors are pondering if the multi-year bear market is here. But the situation is not as simple as it seems on the surface.

The environmental concern about bitcoin has been around for years. It is almost impossible that Elon and Tesla did not do basic research before investing \$1.5 billion into Bitcoin. So why criticize the currency when your company is already deeply invested in it? Has Tesla already sold at peak? Or is Elon just pushing the price down so that Tesla can buy more? The answers to these questions can appear in Tesla's next SEC filing.

For now, the Technicals suggest that the bull run is nearing its end. But Fundamentals say that this was a coordinated manipulation by big players before bitcoin goes to new heights. The short term is ambiguous. Bitcoin stands on a make-or-break moment with all eyes glued to the direction of its next big move. However, with the rapidly decreasing supply of bitcoin and increasing demand, the prices in 5-10 years can be seen going To The Moon.

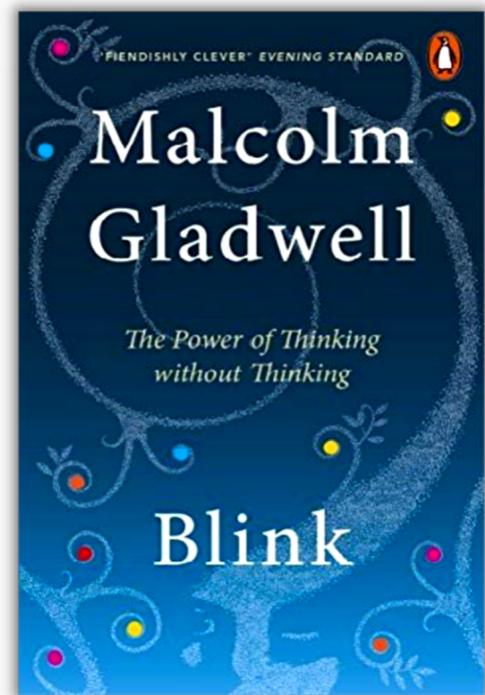
# BOOK CORNER

**MUST-READ**

## Blink: The Power of Thinking Without Thinking

- Malcolm Gladwell

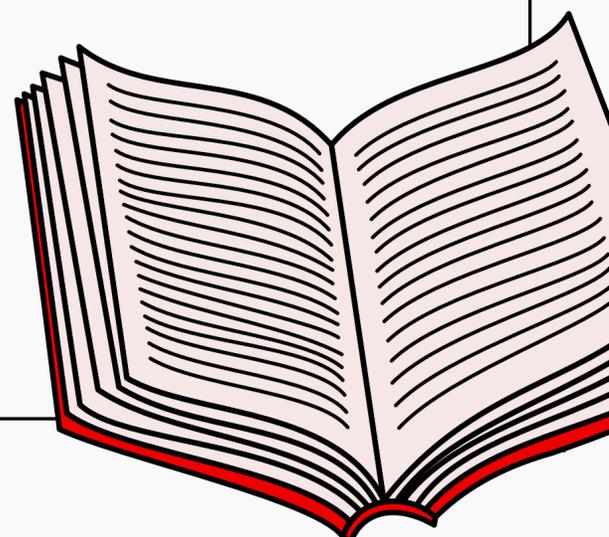
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We really wonder how one man can flip so many topics on their head. Malcolm Gladwell keeps changing the way we think in several, only loosely related areas. From success to human intuition to macro-economic trends, his curiosity seems to know no boundaries. Do you think he decides his next book's topic in the blink of an eye, or rather deliberately after giving it some thought? While that's a question I can't answer, Blink can help you understand how your own intuition works, and when it's best to trust it or keep analyzing.

Here are 3 lessons about the surprising power of human intuition:

- Your unconscious is the world's fastest filter of information.
- Stress can lead your gut astray.
- Put up screens in situations where you can't trust your intuition.



# ENTERTAINMENT

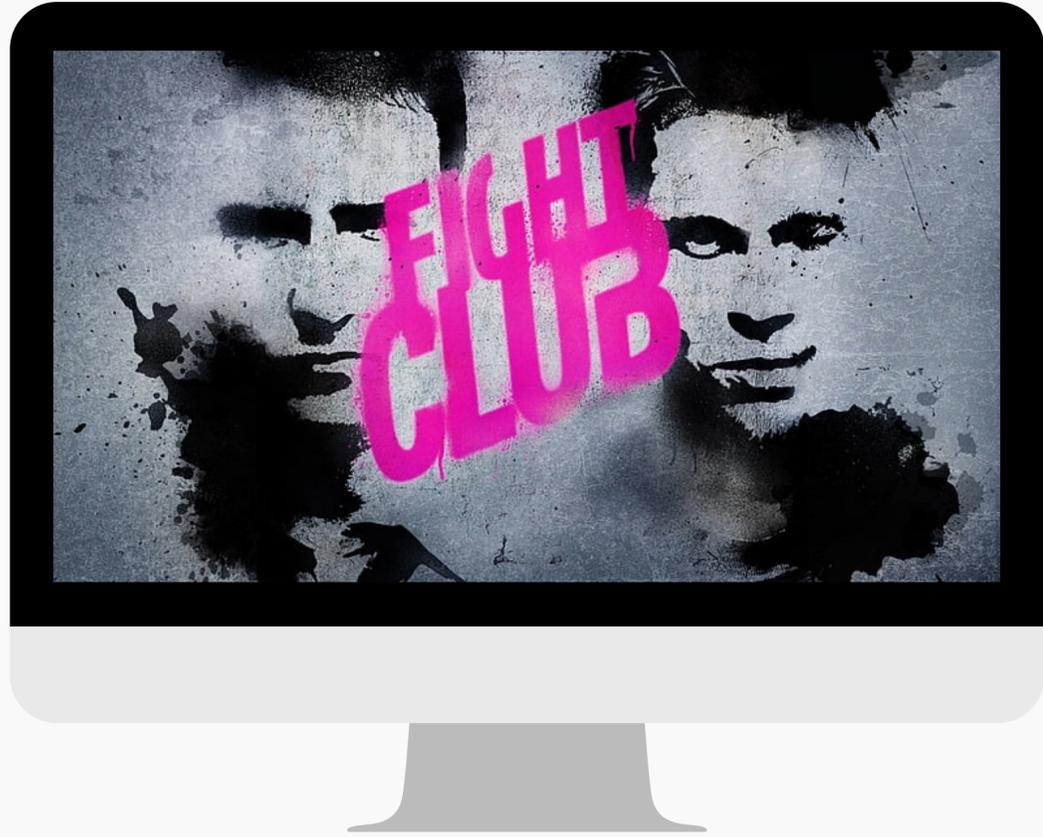
## MUST-WATCH

EVERYONE KNOWS ABOUT FIRST RULE OF FIGHT CLUB THAT YOU DO NOT TALK ABOUT FIGHT CLUB. BUT TODAY WE ARE GONNA BREAK IT.

# FIGHT CLUB

*Directed by – David Fincher*

*Starring – Brad Pitt, Edward Norton, and Helena Bonham Carter*



This movie is an absolute masterpiece taking us on a journey inside the life of young urban professional. Who just constantly feels empty inside and is desperately trying to find meaning beyond cubicle walls.

Reasons to watch or rewatch it -

- Fight Club is a complex, subversive, nihilistic sucker punch to the ear. And that's what some films are supposed to do. They're supposed to provoke a reaction. Get in your head. Shake you up.
- Looking at it in a different way, the movie teaches how to have an idea and inspires thousands to pursue it. Leadership 101.
- Fight Club will make you question what you're doing with your life.
- You will have near-life experience.
- Brad Pitt & Edward Norton's performances.





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