

BUZZing

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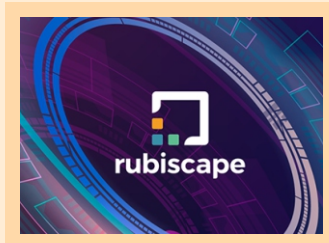
We are half a year into 2023. The first part of 2023 has been economically promising in all sectors. Constructive fiscal policies, subsidies for various manufacturing sectors, grants for innovation, AI and loads of technology expansion etc. Marching towards the remaining half of 2023 with confidence and optimism that the year 2023 will definitely end on a promising note for all of us !

Sedibuz Healthcare



National Health Mission:
Revolutionizing Healthcare in India
with Cutting-Edge Medical Devices

The Future of Data Science



Trends and Predictions

Thought Incubator



Consistency!...
The most undervalued strategy



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National Health Mission: Revolutionizing Healthcare in India with Cutting-Edge Medical Devices

India's National Health Mission (NHM) has been instrumental in transforming the healthcare landscape of the country. With its comprehensive approach and emphasis on innovation, NHM has made significant strides in delivering quality healthcare to the masses. One key aspect of this success is the integration of new-edge medical devices into the healthcare system. In this article, we will explore how the National Health Mission is leveraging advanced medical devices to enhance healthcare delivery across India.

Empowering Primary Healthcare Centers:

The NHM has been actively working to strengthen primary healthcare centers (PHCs) across the country. These centers serve as the first point of contact for individuals seeking medical assistance. As part of this initiative, NHM has facilitated the deployment of new-edge medical devices in PHCs. These devices range from point-of-care diagnostics, telemedicine equipment, electronic health record systems, and portable ultrasound machines. The availability of these devices at the grassroots level has improved early detection, diagnosis and treatment, thereby reducing the burden on secondary and tertiary healthcare facilities.

Telemedicine and Remote Monitoring:

In a country as vast as India, accessibility to healthcare services remains a significant challenge, especially for those living in remote areas. NHM has recognized this issue and embraced telemedicine as a powerful tool to bridge the gap. By utilizing telecommunication technology and advanced medical devices, healthcare professionals can remotely diagnose and treat patients in underserved regions. This approach has not only expanded the reach of healthcare services but has also reduced the need for patients to travel long distances, thereby saving time and resources.

Enhancing Maternal and Child Health:

Improving maternal and child health is a priority area for NHM. The mission has introduced state-of-the-art medical devices to ensure safe deliveries and comprehensive neonatal care. Advanced fetal monitors, portable ultrasound machines, and infant warmers have been deployed across healthcare facilities to provide real-time monitoring, early detection of complications, and prompt intervention. These devices have played a pivotal role in reducing maternal and infant mortality rates and improving overall healthcare outcomes.

Promoting Preventive Care:

NHM's focus extends beyond curative measures, emphasizing the importance of preventive care. In this regard, the mission has implemented various screening programs utilizing cutting-edge medical devices. For instance, mobile cancer detection units equipped with digital mammography systems and colposcopes are deployed to rural and remote areas, enabling early detection of breast and cervical cancer. Similarly, advanced glucometers and blood pressure monitors are used to screen for diabetes and hypertension. These efforts empower individuals with timely diagnoses, enabling early intervention and improving treatment outcomes.

Data-Driven Decision Making:

To optimize healthcare delivery and resource allocation, NHM has leveraged data-driven decision making. Advanced medical devices, integrated with electronic health record systems, generate a wealth of patient data. This data is crucial for monitoring public health trends, identifying disease hotspots, and tailoring interventions accordingly. NHM utilizes this data to formulate evidence-based policies and strategies, leading to more effective and targeted healthcare interventions.

Conclusion:

The National Health Mission has revolutionized healthcare in India by embracing new-edge medical devices. By integrating advanced technology into the healthcare system, NHM has improved accessibility, enhanced diagnostic capabilities, and optimized healthcare delivery across the country. From empowering primary healthcare centers to promoting preventive care and utilizing telemedicine, the mission has created a robust foundation for a more inclusive and efficient healthcare ecosystem. As India continues its journey towards universal healthcare, the strategic utilization of cutting-edge medical devices through the National Health Mission will continue to play a pivotal role in transforming healthcare delivery for the better.

The Future of Data Science : Trends and Predictions

Today, we live in a world where digital experiences are in the driving seat for nearly every aspect of our lives. From businesses to government services, people are increasingly reliant on digital channels to get what they need and make lives easier. This has resulted in a dramatic increase in the volume of data produced globally. Studies predict that, by 2025, nearly 463 exabytes of data will be generated daily.

The biggest takeaway from this data generation scenario is that this very same data is leveraged for accurate decision-making by businesses as well as other entities. While analytics, artificial intelligence, machine learning, etc., are ways that drill deep into piles of data to uncover hidden insights and possibilities, the real mastermind behind the success of such large-scale data initiatives is data science.

Data science is responsible for keeping any set of actionable data ready for analysis and processing. The role of data scientists has become a critical part of nearly every major business in all sectors. Together with other technology leaders, data scientists work to build new working models for the large gamut of data collected from across an organization's operational domain.

Data Science



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Data science has been around for quite some time now, and organizations are seeking ways to utilize data science as a key enabler of success and ROI in their business initiatives. So how does the future look for data science? Let us explore some of the top trends and predictions:

The AI Takeover

Over the last couple of years, and especially since generative AI technology like ChatGPT became a hot topic of interest, there has been widespread fear that machines will take over several jobs. While ethical implications and economic concerns associated with job losses are more likely to prevent or slow down a massive workforce transformation, it is certain that several job roles will undergo a series of transformations to amp up the skill quotient.

Data scientists, too, will experience a part of this transitional ordeal as they may have to acquaint themselves with powerful AI-powered tools that can build data models faster and more efficiently than when done manually.

Of course, the oversight needed is still a critical area where data scientists can exert their dominance, as most AI algorithms that work on data modeling are still in their learning stage. With industries like weather and banking being reliant on prediction models developed with core data science principles, the window for errors is non-existent. In that light, it might take a while before AI can significantly contribute to the core sophisticated functions. But it sure is invaluable in complementing data scientists' workflow.

Rise of Quantum Data Science

In the next decade or so, we will surely witness a massive shift in the way computing power is considered for any kind of analytical initiatives courtesy of quantum computing becoming mainstream. Today, data scientists can build effective data models

only through limited sequential matching of scenarios and data patterns. In other words, if a couple of inputs must be run across different scenarios for modeling, it should be done one by one.

With quantum computing, however, it becomes possible to run them all parallelly without worrying about the performance of the underlying computing infrastructure. The key takeaway here is that, with near unlimited computing power, data scientists can build larger, more expensive, and more powerful models that can be leveraged to build state-of-the-art digital solutions powered by analytics run through these models.

Build More from Models

Traditionally, data scientists worked on translating complex business workflows and transactional processes into accurate data models that can be used for automation and analytics-driven decision-making. However, building data models is no longer the main ingredient of successful analytics initiatives.

The quest is to operationalize these proven models across the business at the earliest opportunity to prevent any competitive loss in the market. Once these models are implemented, the next attempt will be to scale them.

Leveraging of Tools

Adding on to the previous point, the secret behind successful data science initiatives is the ability of data scientists to accurately identify which data needs to be where and how it should be processed. Today, all these activities are somewhat automated and handled through no-code and low-code applications.

Even businesses with very less technical-focused employees can build extensive data models and scale them to meet the needs of modern problems.

In fact, Gartner predicts that, by 2026, about 80% of low-code users will be developers working from outside the formal IT departments. This is a critical development for the data science space, as it's directly associated democratization of resources and capabilities.

Computing on the Cloud

For data scientists, the future is highly dependent on how efficient their cloud provider is. From data migration to modern-era no-code and low-code tools, there is a rising dependence on SaaS applications and

platforms that can cater to the needs of people hooked to their digital universe.

Besides, the evolving capabilities of cloud platforms that can accommodate data engineering, ML engineering, data analytics, business intelligence, AI governance, etc., make way for enterprises to leverage the cloud for their rigorous data science initiatives.

Wrapping Up

As you can see, the future of data science is bright, as there are several areas where data science can be applied to bring about transformational changes. However, managing the entire transition to cloud and other emerging technologies is a critical task that necessitates maximum care and supervision. This is where Rubiscape can become the key game changer. Get in touch with us to know how we can help supercharge your data science programs.

Consistency!...The most undervalued strategy

“Consistency is what transforms average into excellence.”--- Anonymous. A very profound quote indeed.

Along with the knowledge, effort, and hard work there is one more thing that acts as a catalyst in helping one to be on top of the edge and that is “Consistency.” This magic potion called consistency is the key to success in many areas of life.

So, let us understand what is consistency? Consistency means doing what works. It means sticking to the tried and true. It is also about being regular and steady, and dedicating yourself to your goals and staying focused on things and activities to achieve it. It requires long time commitment, discipline, accountability, and responsibility. our plan to do the task and hence procrastinates.

Let us also understand what consistency is not. Consistency does not mean settling, nor is it sticking with something that's not working for you. It doesn't mean you must follow old-fashioned ways or ideals that no longer apply in today's world. Because let's face it, the world is changing at an exponentially quicker rate than ever before. No, consistency does not mean you don't change with the times.

The world today revolves around providing instant gratification, and the presence of technology everywhere has made people more impatient, and they want quick results. With too many distractions, most of the people have become muddled and confused about what they want to achieve in life. In such a scenario consistency is a critical driver for success in any area of life. One needs to understand the importance of this most undervalued strategy and its benefits. Let us see some long lasting and permanent benefits applying this strategy in our lives:

Consistency is the foundation for long term achievement and helps one build momentum: Our dreams will remain dreams if we are not willing to be consistent over a long period. For anything to take off or accelerate, momentum is very crucial, consistency allows us to build this momentum which is required to accomplish our dreams and goals.

Consistency enables new habits and helps to become disciplined and develop self-control: Trying to build new habits can be very challenging because the mind and body are very comfortable in the default habits. However when we consistently do something over time, new habit is easily formed leading to one becoming disciplined.

Thought Incubator



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Consistency helps to differentiate between what is important and what is not and builds self-confidence: When we are not consistent with pursuit of our goals it leads to no schedules, no focus and leniency in tracking the progress. But when consistency becomes our strategy we understand the value of time and setting the priority list straight, this leads to results which in turn boost the self-confidence.

Consistency sustains accomplishments and opens doors to opportunities: Your results stop where your consistency stops. Consistency attracts admiration, trust as well as respect and people or company will always want to invest in someone who is consistent. This opens up new doors to opportunities.

So, friends looking at what consistency can lead us to, let us understand how to master this strategy.

Listen to the wakeup call: There are experiences or moments in our lives that are eye openers and lead us to rethink about how we are leading our current lives. Listen to these calls because they can often give us a push we need to re-evaluate how we spend our time and type of work we pursue.

Avoid Chaos: Some people are addicted to chaos, this makes it difficult to focus and discipline oneself. Try to keep away from other people's chaos and simply resist the urge to get involved in the turmoil and drama around you. It is impossible to have consistency in life if you keep courting chaos.

Create specific and realistic goals and create a schedule for yourself: It is hard to be consistent if one does not have clarity about their goals. To achieve those goals use a planner and block off realistic amount of time for each task

Keep going even if you make mistake and take time off to recharge: Don't be hard on yourself if sometimes you can't keep your commitment ; consistency is not about being perfect. If you fail to do certain task encourage yourself to start again.

Use motivational tools to keep going even when you don't feel like it and hold yourself accountable: Whenever tired or stressed find sources of motivation and think of the bigger goal. On your schedule or calendar check off the task that you have completed, this helps in maintaining accountability.

Maintaining consistency can be a challenging strategy, it may seem dull and mundane. But remember practicing consistency is a long game and results may not be instantly gratifying, so have patience because this magic potion has all the power to make your dreams come true and help you lead a fulfilling life.

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