Machine learning 2018 and Big Data 2018- Digital transformation and the convergence of new emerging digital technologies - Samir El Masri - Digitalization. Cloud, UAE

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Digital transformation is a journey that stems from strong beliefs in the digital economy by senior management supported by a digital transformation strategy. The strategy is much more difficult to deploy than develop and it may only be achieved when the transformation is led by CEOs reinforced by mature capabilities. Unfortunately, most digital transformation initiatives have failed in the past and many more will fail in the future. Advanced change is the method of using advanced innovations to make modern — or adjust existing — trade forms, culture, and client encounters to meet changing business and showcase prerequisites. Additionally, advanced changes have reshaped how companies approach client benefits. Making call centers and in-store benefit work areas run more proficiently with advanced innovation is of course awesome. But genuine change comes after you see at all accessible advances and consider how adjusting your trade to them can donate clients distant better;a much better;a higher;a stronger;an improved">a higher involvement. Social media wasn't designed to require the put of call centers, but it's ended up an extra channel (and opportunity) to offer way better client benefit. Adjusting your benefit offerings to grasp social media is another great case of a computerized change.The ancient show was to hold up for clients to come to discover you, whether in individual or by calling an 800 number. But the rise of social media has changed benefit much like it's changed promoting, promoting, and indeed deals and client benefit. Dynamic companies grasp social media as a chance to expand their benefits offerings by assembly clients on their stages of choice.

Machine learning includes computers finding how they can perform errands without being expressly modified to do so. For straightforward errands relegated to computers, it is conceivable to program calculations telling the machine how to execute all steps required to fathom the issue at hand; on the computer's portion, no learning is required. For more progressed assignments, it can be challenging for a human to physically make the required calculations. In hone, it can turn out to be more successful to assist the machine develop its claim calculation, instead of have human software engineers indicate each required step. The discipline of machine learning employs different approaches to assist computers learn to achieve errands where no completely palatable calculation is accessible. In cases where tremendous numbers of potential answers exist, one approach is to name a few of the right answers as substantial. This will at that point be utilized as preparing information for the computer to progress the algorithm(s) it employments to decide rectify answers.

This reimagining of commerce within the advanced age is computerized transformation.A key component of computerized change is understanding the potential of your innovation. Once more, that doesn't cruel inquiring "How much speedier can we do things the same way?" It implies inquiring "What is our innovation truly able of, and how can we adjust our trade and forms to create the foremost of our technology investments?" Before Netflix, individuals chose motion pictures to lease by attending to stores and combing through racks of tapes and circles in look of something that looked great. Presently, libraries of computerized substance are served up on individual gadgets, total with proposals and audits based on client inclinations.It rises above conventional parts like deals, showcasing, and client benefit. Instep, computerized change starts and closes with how you think almost, and lock in with, clients. As we move from paper to spreadsheets to keen applications for overseeing our trade, we have the chance to reimagine how we do commerce — how we lock in our clients — with computerized innovation on our side. For little

businesses fair getting begun, there's no ought to set up your trade forms and change them afterward. You'll be able to future-proof your association from the word go. Building a 21st-century commerce on stickies and manually written records fair isn't feasible. Considering, arranging, and building carefully sets you up to be spry, adaptable, and prepared to develop. Not so long prior, businesses kept records on paper. Whether transcribed in records or written into reports, commerce information was analog. On the off chance that you needed to assemble or share data, you managed with physical reports — papers and folios, xeroxes, and faxes. Then computers went standard, and most businesses begun changing over all of those ink-on-paper records to advanced computer records. Typically called digitisation: the method of changing over data from analog to computerized.The method of using digitized data to form set up ways of working less difficult and more proficient is called digitalisation. Note the word established in that definition: Digitalisation isn't approximately changing how you are doing trade, or making unused sorts of businesses. It's around keeping on keeping on, but quicker and way better presently that your information is right away open and not caught in a record cabinet someplace in a dusty archive. Think of client benefit, whether in retail, field ops, or a call center. Digitalization changed benefit until the end of time by making client records effortlessly and quickly retrievable through the computer. The essential technique of client benefit didn't alter, but the method of handling an inquiry, looking up the important information, and advertising a determination got to be much more productive when looking paper records was supplanted by entering many keystrokes on a computer screen or versatile gadget. Digital change is changing the way trade gets done and, in a few cases, making completely unused classes of businesses. With the computerized change, companies are taking a step back and returning to everything they do, from inside frameworks to clients intuitive both online and in individual. They're inquiring huge questions like "Can we alter our forms in a way that will empower way better decision-making, game-changing efficiencies, or distant better;a much better; a higher;a stronger;an improved">an improved client encounter with more

personalization?" Now we're immovably dug in within the computerized age, and businesses of all sorts are making intelligent, viable, and troublesome ways of leveraging innovation. Netflix could be an incredible case. It begun out as a mail arrange benefit and disturbed the brick-and-mortar video rental commerce. At that point, computerized advancements made wide-scale gushing video conceivable. Nowadays, Netflix takes on conventional broadcast and cable tv systems and generation studios all at once by advertising a developing library of on-demand

These failures have been mainly due to organizations undertaking digital change instead of digital transformation in addition to the lack of capabilities and non-readiness of the company to manage this transformation. New digital emerging technologies remain the backbone and the enabler of any digital transformation activities. The digitization of operations, workforce, marketing, and new digital business models will be realized by the convergence of all new emerging digital technologies through new products/services, price, customer experience, and platform values. In this talk, data science, machine learning, analytics, big data, IOT and their interrelationships will be demonstrated. Examples of how digital initiatives could help the industry by improving efficiency, avoiding trips, reducing unplanned downtime and transforming from time-based to condition-based maintenance will also be illustrated.