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From Data Science to Data Resistance: Possible Methods to Stop a Global Tyrant to Come

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ABSTRACT
The present article is actually a result of various discussions with a number of colleagues, on what will come later after this pandemic. Recent studies by Prof. Fioranelli and also Rubik clearly indicate that something bigger plan is played behind the scene. And Paul Levy's recent book warns us that actually the real plague is a kind of spiritual disease called "wetiko." As a wise word tells us: "It is not how good you play the game (i.e. how to reduce the spreading of pandemic), but it is how the game is played against you." Therefore, let us ask: how we can respond properly, in a dignified way, while we shall keep our moral integrity, i.e. not to step down into violence means (i.e. ahimsa way). It turns out, that one of available course of action, is to turn the notion of Data Science to become Data Resistance. We outlined several available methods, but let us put a cautious remark here that we shall not use big data method unless it is the last choice, because once we also partake into that bigdata madness, then actually we also use the same evil tools against humanity.

KEYWORDS: *Dangers of Big Data, Data Science, Data Resistance, Database Systems, Graph, Wetiko*

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Quote for the day:
"*One man who stops lying can bring down a tyranny*." — Alexander Solzhenit- syn (The Gulag Archipelago). [2]

1. INTRODUCTION

This writer puts the following remark after various discussions with a number of colleagues, on what will come later after this pandemic, and exploring available methods at table. Recent studies by Fioranelli and also Rubik clearly indicate that something bigger plan is played behind the scene. And Paul Levy's recent book warns us that actually the real plague is a kind of spiritual disease called "wetiko."[1] In his book blurb, it says: "In its Native American importance, wetiko is an insidious inhuman soul that can assume control over individuals' psyches, prompting selfishness, un-quenchable eagerness, and utilization as an end in itself, damagingly turning our natural inventive virtuoso against our own mankind. Uncovering the presence of wetiko in our advanced world behind each type of annihilation that our species is completing, both individual and aggregate, Paul Levy shows how this brain infection is so implanted in our minds that it is practically imperceptible and it is our visual impairment to it that gives wetiko its power."[1] Furthermore, there are other things that we need to consider,

as we go through these endless troubles in the past 2 years: (a) it appears that there is hidden plan to roll out massive 5G network, in order to blanket the Earth without escape [3], and (b) at the same time, behind the scene Bill Gates purchases many many acres of land secretly, then what is most striking is: Bill Gates is known to bribe WHO and UN to be granted a status the same as a country. Even he goes as far as calling himself "billgatesistan."

After all, we realized that we is played hidden from public awareness and it is actually: communitarianism agenda, that is to enslave mankind as a whole. In other words, to keep the top 1 percent on the upper level of pyramid. That is in accordance with what klaus schwab famously state: "you will own nothing but you will be happy." Yes, they plan to strip off us from all our possessions, then they will control us with numerous AI-drone-surveillance, in order to keep control of the populace, plus a master plan of global depopulation. While some of you argue whether this gloomy prediction will actually take place, see the following pictures on how govt crushes independent news outlets in Hong Kong in the last few weeks: "Life as a free writer in Hong Kong, long hard, is becoming unthinkable. On December 29th Stand News, the domain's driving favorable to a majority rules system media source, had to close after many police struck its office, froze its resources and captured seven individuals. The current and previous editors were accused of connivance to distribute dissident substance and denied bail. Dreading for their journalists' security, two other news locales, Citizen News and Mad Dog Daily, ended procedure on January fourth."[5] All of these seem to confirm what Vandana Shiva wrote recently: "**Oneness vs 1 percent.**"[3] As a wise word tells us: "It is not how good you play the game (i.e. how to reduce the spreading of pandemic), but it is how the game is played against you." Therefore, let us ask: how we can respond properly, in a dignified way, while we shall keep our moral integrity, i.e. not to step down into violence means (i.e. ahimsa way). It turns out, that one of available course of action, is to turn the notion of Data Science to become "Data Resistance."

2. CONSIDERATIONS ON CRITICAL VIEW ON TECHNOLOGY;A NEW VIEW OF LIBRARIES

First of all, we shall remark here that it is not our intention to say that we are against human progress or technology etc. But if such and such technologies do not serve humans, but instead they were created and designed to enslave humanity, then we shall scrutinize how to make them better, or if it is necessary, we shall stop them from advancing further before it becomes too destructive. That is already happens, for instance around 2019, there are various experiments to develop tactical robot humanoids, with special purpose to combat and kill humans. Fortunately, Elon Musk called this to more than 1000 robotic researchers and they began to stop the research (one of them is located in certain university lab in South Korea). There are also critics on the dangers of hegemony of certain paradigm which results in key research programs to be kept and the rest are being put to oblivition. That is something that becomes more and more clear; the so called scientific freedom and freedom of speech have been diminishing. [4][9]

(A) An alternative view on libraries

With the wide availability of Internet access around the world, thanks to governments' efforts to reduce ICT gap, then it seems quite obvious for young people that libraries as we know it, gradually will dissolve to digital version. But does it have other ways to define libraries? This short article is an ode to good librarians. Moreover, our mode of learning is not limited to classroom and libraries as it were before 2000s, because as we know, the Internet has taken the general public to an alternate level through and through. With an advanced cell and Internet network it creates the impression that we can communicate to anybody, anything, anyplace and whenever. One drop of this is abundant accessibility of data. Assuming we

search in the google with any watchword, we end up with 1000's of connections relating to our inquiry. This peculiarity is called data over-burden. As of now, the majority of the learning occurs through an interaction including an instructor and the instructed (normally understudies) in a face-to-face setting. This is cultivated in a block and concrete plan (like school or a typical reason) where the two meet. In a time of Web, we have new models of learning. The latest one is known as Massively Open Online Courses (MOOCs). The courses are accessible in a site and essentially anyone can en- list for the course and learn at his/her own speed. The instructor need not be available in the class nor need all understudies be available simultaneously. Usually, people define library in quite simple way: a place where people store and retrieve information, be it in books, newspapers, magazines, disc, etc. Actually, if we reflect more on the role of libraries for many centuries, especially in various cities all over the world, their role is more than just information storage and retrieval, but also: - preserve local wisdom; - strengthen cultural heritage and identity of a city/region; - preserve memories of significant events in the past; - facilitate young people to improve creativity to write new literature; - develop young mind with new ideas and skills. Those are a number of reasons that make us believe that each city deserves their own public library (and also every school). Moreover, if we believe in the role of collective intelligence, collective knowledge, and "collective wisdom," we can also say that a good library offers a pool where a society can keep and improve their collective intelligence, knowledge and hopefully also collective wisdom [2]. That is if we believe that wisdom is far more valuable than just accumulated knowledge. Provided that shared knowledge can be kept advancing by virtue of cooperative collective development [16][17][18], because no library can obtain enough resources to collect all published materials all over the world, then this also implies that good librarians shall always learn to share information to each other.

(***B) New roles of libraries***

(A) Knowledge management (city-wide or corporate-wide). Since around 50s-60s, industry leaders realized that for an organization to grow, they need: ***Data - Information - Knowledge***. Each association creates enormous measure of information – a portion of these inside to the association, for example, deals information, monetary information, representative profiles, and so forth and a portion of these outer – financial pointers, generally industry execution and serious knowledge. These information are recorded in better places in the association. Appropriate association of these information and its investigation would yield valuable data to be utilized 'by right individuals at the perfect opportunity'. These data relating to deals information, monetary execution figures, work force profiles, and others are all illustration of unequivocal information base of any associations. Information is which can be handily recorded, put away and subsequently shared. Anyway there are other information bases which come as a matter of fact and rests in the cerebrum of individuals, this is known as 'tacit Knowledge'. This is why people began to notice the necessity to capture knowledge beyond data. In the past decades, various administration scholars have added to the advancement of Knowledge Management, among them such notables as Peter Drucker, Paul Strassmann, and Peter Senge in the United States. Drucker and Strassmann have focused on the developing significance of data and express information as hierarchical assets, and Senge has zeroed in on the "learning association," a social component of overseeing information.

(**B) Preserving Collective wisdom.** In recent years, many information specialists realize that information or data gathering are not enough. Because of the situation becomes rapidly changes and unpredictable, past data are not sufficient, for an organization to grow, actually they need :"***Data – Information Knowledge - Insight - Wisdom***." Wisdom is regarded as distilled insights from experience and

also advanced knowledge. Grossmann *et al.* offer a classic tale on wisdom: "There is a classic Indian parable concerning the blind men and the elephant (Saxe, 1936). Six blind men each inspect an elephant from different sides. They come up with different mental representations of the elephant and argue about what an elephant is. A frequent, interpretation of the parable is that despite divergent opinions, each of the blind men is partially correct – their claims about the elephant are based on impressions of the same animal. Likewise, different claims about wisdom may be simultaneously correct. One might conclude from this parable that looking for a common model would be a futile enterprise. Should we accept the multifaceted *nature of wisdom* and admit that deriving a common model is a misguided, impossible pursuit? ... Let us imagine that the blind men are scientists, who exchange all of the information they collect by carefully inspecting the elephant. Though their initial impressions about the elephant diverge, they may soon realize that their points of view can be coordinated into a much richer and more accurate model or image of the whole elephant. By testing their mental models further, with ever more precise and targeted measurements, the blind men soon realize that the elephant resembles their models of other animals. By iteratively building and refining their abstract model through targeted observations of different animals, the blind men may develop a working scientific model of a species, even if they are unable to see any animals with their own eyes." 15]

One aspect to be considered for a wisdom model is that wisdom captures moral element of a society or culture, and this is considered to of more significant value compared to knowledge. In a deeper spiritual level, we realize that this world is captured in lower scale of consciousness. Therefore one way that we can expect to improve it is by improving the quality of book collections in libraries. That is another "more advanced" role that we can expect for next generation of libraries. Concluding, we have discussed several ways on redefining the roles of offline libraries in cities and schools in the near future, while we also admit the growing importance of digital libraries for knowledge preservation.

3. WHY BIG DATA CAN BE PROBLEMS

This article emerges, among other things as we discuss above, from a video clip made by Pittsburg Technology Corp, saying that "We are big data: resistance is futile." (You can find its clip by googling). One of us (VC) just realized: how these guys are so mean. . . it is not just a science anymore, it is more like a threat to humanity as a whole. Let us see what are the actual problems with big data, philosophically speaking. First of all, big data promises merging between human (i.e. human body or parts of body) and data. This seems to extend the scope of computation to include human bodies as a place to put sensors. (Readers may wish to see RAND report on IoB: internet of bodies.) As Christian Fuchs wrote, it emerges from internet, then social media, then obsession with quantification: "The fixation on evaluation, the utilization of calculation in the sociologies and huge information have likewise showed itself as a distraction with endeavors to foster new advanced techniques in both the humanities and sociologies: 'Advanced Humanities' frequently comprehends itself as humanities figuring."[8] According to Fuchs, such a drastic shift can be traced as a result of obsession toward the paradigm shift, as promoted by Kuhn. But as we know that "revolutionary" term often leads to fascism. There are others who remark on weakness of such Machine Learning and Big Data as they are hailed as the most sophisticated technique of IT, as follows: "In multiscale displaying, AI shows up to give an alternate way to uncover connections of subjective intricacy between processes at the nuclear, sub-atomic, meso-and macroscales. Here, we point out the shortcomings of unadulterated large information draws near with specific spotlight on science and medication, which neglect to give calculated records to the cycles to which they are applied. Regardless of their 'profundity' what's more the refinement of information

driven techniques, such as counterfeit neural nets, in the end they simply fit bends to existing information."[6-7] Others call our attention on the premise that machine can find anything without proper modeling at hand: "For if, as in some cases show up obvious today, anything can be surmised by detecting designs inside tremendous data sets, why bother displaying any longer? This outrageous position is summed up in Anderson's provocative articulation: "With enough information, the numbers represent themselves, connection replaces causation, and furthermore science can progress even without intelligible models or bound together hypotheses". In a nutshell, it is information driven variant of Archimedes' support- give me enough information and I will move the world. However as extreme as this new induction may be, it brings up an interesting point: is understanding misrepresented? Would it be able to be that savvy algorithmic search through expanses of information can save us the work (and the delights) of figuring out how the world functions." [11] Other notes on psychological effect Big data/AI to the public in general, the sense of helpless and hopelessness: "People can feel frail in the connection to information. This is on the grounds that the human-information connection is topsy-turvy; there appears to be a deviation of control with information having the advantage. There is a feeling of careful uncanniness and powerlessness that some way or another "information can see and control us without our being ready to see and control them." Drones are one such illustration of the cutting edge feebleness of the person in the face of information and innovation in that they can see without being seen, and contact without being accessible."[7] As Jaworski wrote, actuallyit can be traced back to materialism view as predominated philosophy in science. And then such a machine-model of biology is going to be integrated with machine, supercomputer, big data etc. [8]. All in all, it is a serious calling for us as humans, to reconsider where these technologies are heading or there is risk that we are heading to global techno-totalitarianism towards enslavement and depopulation of the entire global society, except of course those top 1 percent. Clearly, we need to democratising technology, and it starts with democratising data. [9] [20] Now, after discussing all of these critical problems to humanity as a whole, the question is: "what can and shall we do despite such a gloomy prognosis?"

4. A FEW METHODS WHICH CAN BE A GOOD START FOR DATA RESISTANCE

(a.) MySQL Heat Wave: According to Moor Insights: "In big business information the executives, Oracle Database is a predominant player, and MySQL is exceptionally famous among designers. MySQL is so productive it positions first in piece of the pie among all data set conveyances. Furthermore, MySQL is the default data set motor in most application stacks utilized in cloud-local applications. What makes MySQL so famous its versatile usefulness as an open- source social information base administration framework (RDMS) advanced for exchange handling. While it at first tracked down fast reception in little to fair sized organizations, it additionally viewed as an after inside the branches of huge associations. Nonetheless, for the clients that have come to depend on MySQL, there is a hurdle. As a web-based exchange handling (OLTP) information base, MySQL was not intended to empower the profound and complex investigation numerous associations presently require. While some organizations and cloud contributions have endeavored to offer some degree of examination as an add-on, none consider ongoing investigation. As of not long ago, while the world has been consistently expanding its use of MySQL, Oracle has been putting resources into innovative work to construct a cloud-advanced answer for empower ongoing examination and complex OTLP inquiries of information living in MySQL data sets. The outcome is HeatWave, an in-memory question gas pedal planned explicitly for MySQL and coordinated into Oracle MySQL Database Service." [10] Oracle has made exceptionally intense cases about

the exhibition of HeatWave comparative with other cloud administrations. What's more those cases are upheld by open information presented on GitHub so that anybody can reproduce the benchmarks utilizing similar boundaries and con- tents. As recently noted, getting ready and executing questions on HeatWave comparative with other cloud administrations isn't simply quicker and less ex- pensive—it is so by significant degrees.[11]

(b.) Crystalloids: It is known that there is Google's cloud-based SQL database-as-a-service. [12]. There is recent method to simplify the machine learning process using the so-called query method just as old SQL, it is called Big Query Machine Learning. According to its recent publication, there is a software house called Crystalloids who offers a more integrative approach. They wrote: "Google's industry-driving parts and stage and Crystalloids' product improvement and designing capacities will upgrade your hierarchical choice making and client encounters, making a difference you to close the hole between illustrative what's more prescriptive investigation without having to staff up another group. You can expand your existing abilities to scale the effect of AI with computerized, worked in knowledge. Crystalloids has a few aptitudes and specializations identifications from Google Cloud Stage that are connected with building bound together examination."[12]

(c.) SQLFlow: Another approach has been suggested by Yi Wang *et al.*, called SQLFlow. As we know, SQL enables developers to write short programs focusing on the purpose (what) and ignoring the procedure (how). Previous database systems extended their SQL dialect to support Machine Learning. SQLFlow takes another strategy to work as a bridge over various database systems, including MySQL, Apache Hive, and Alibaba MaxCompute, and machine learning engines like TensorFlow, XG-Boost, and scikit-learn. [13] But we don't know if their method has been brought to market.

(d.) Wisdom model: Data Mesh toward Insight finding and wisdom model KPMG recently published a white paper with title: "***Next-generation Insight Architecture."*** (2021). They wrote among other things: "Associations hoping to drive esteem from information and bits of knowledge have since a long time ago put resources into insightful resources – from on-premise information distribution centers through to information lakes also AI stages to give some examples. While upgrades in accessible innovation have brought the boundaries down to passage for associations hoping to improve experiences, the excursion to being experiences driven remaining parts testing. Research proposes a portion of the variables are non-specialized in nature and incorporate things, for example, driving society change what's more advancing the right working model. We accept that a portion of these difficulties can be reduced by investigating straightaway age knowledge engineering that is planned contrastingly to contemporary approaches."[14] This approach is essentially based on the concept of 'data mesh' – a relatively new decentralised data architecture first described by Zhamak Dehghani. Dehghani first published her idea of a data mesh in 2019. It explored the idea of constructing distributed, domain-driven data architecture supported by a product-centric development approach. We believe this idea represents the first differentiated approach to insights platforms in a manner that is de-signed to overcome traditional challenges. It is clear that Dehghani's software engineering background and experience in building microservices-centric application architectures have influenced her point of view on a data mesh. [14]. From our perspective, the next step for further development is to find ways to wisdom modeling, in order to better acquire "collective wisdom." As with conventional libraries, the actual purpose of libraries is to preserve collective wisdom from age to age. [16-17]

(e.) Our favorite database tool as for now: Neo4J: From our experience, one of open source graph database system available in market is Neo4J. A few books have been published on this database. And what is more interesting; it has been integrated to Panama Papers, by international consortium of investigative journalist (ICIJ). We can find something interesting beyond just RDBMS queries, because graph database works in a different way. [19]

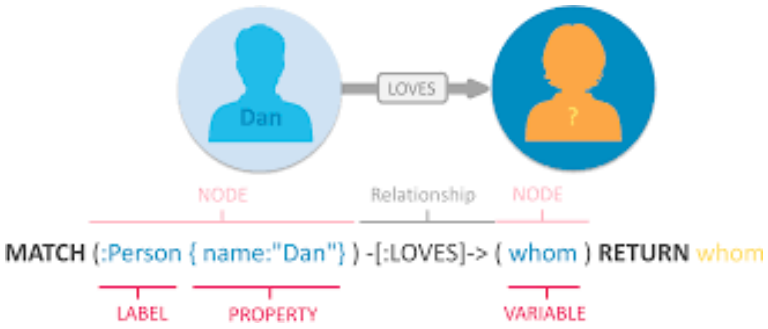

Figure 1: Example of Cypher syntax in Neo4J GraphDB.

5. CONCLUDING REMARKS

We have discussed several ways on redefining the roles of offline libraries in cities and schools in the near future, while we also admit the growing importance of digital libraries for knowledge preservation. In turn, we discuss on how these redefined libraries can be viewed as to improve data-information-knowledge in present ICT paradigm, then to develop better tools, especially in order to prevent the coming global tyrants. Hints that we can use to make the aforementioned methods more effective: - expose the darkness (by available data); - strive to find the truth and then speak the truth to power; -make them funny.- pray to find God's help in your situation. May God be with you.

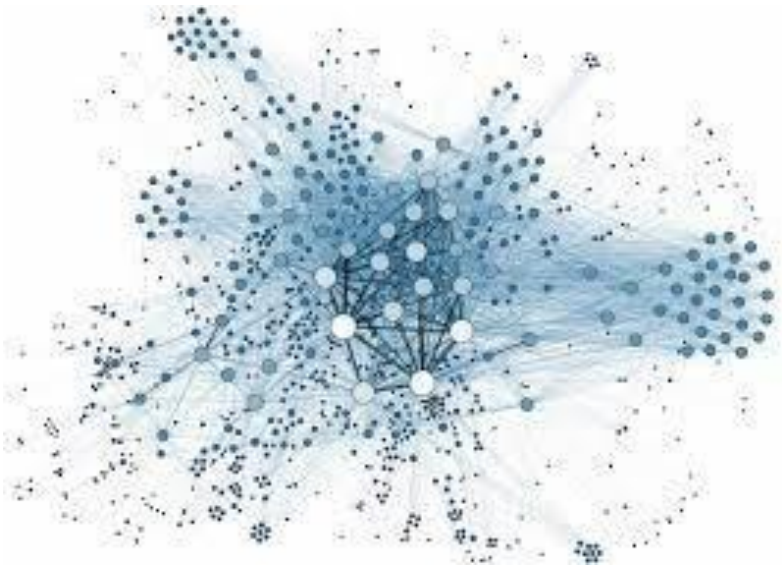

Figure 2: Example of query result in Neo4J GraphDB.

Figure 3: Now it is time for resistance. Resistance is not futile.

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