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Art, Music and Science: Economics of Inter-Stellar Travel

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Abstract

The paper suggests that human aesthetics precedes technical and technological progress to make up an economic plan to facilitate the provisions of science affordable to consumers universally without discriminating between varying demographic, cultural, religious and economic orientations.

Keywords: Economics of Technology, Innovation Design, Anthropology

1. Ecology of Man and Machine

Standard economic theory accepts creative destruction (Nolan et al, 1995) as indispensable phenomenon of producing output by employing land, labor and capital of various kinds while generally referring to it as depreciation in its most commonly utilized academic dispensation. However the concept of creative destruction fails to accommodate the ecology of economics that is omnipresent in the concept of sustainable development.

According to the theory of creative destruction man and machine wear out and so does their ideas and productivity respectively. Higher costs for both redundant labor and machine should prevent their further utility in the economic system that considers only the survival of ideas and technology that are most relevant to the modern needs of the society. As the lifestyle of society becomes more technology dependent, the concept asks preference of machine over man to cheaply and securely provide consumers with a mechanical facility in terms of their domestic or professional comfort that they are seeking at home or office respectively. The consumer life style with technology induced promotion is manufactured and facilitated by multibillion dollars investments in advertisements by national and international conglomerates creating life cycles for various kinds of artificial intelligence from social networking websites to robotics facilitating production in large scales. The consumers are predominantly judged for their monetary worth instead of their cultural richness or intellectual depth.

The concept of creative destruction that is highly motivated application of Darwinism applying the theory of survival of the fittest had indeed helped the rich multiply their wealth in billions of dollars but at the same time it increased the number of have nots both in the US and outside. For example the working class in the US had been marginalized in output creation as the US

economy moved away from industrialization and into services orientation. True to crude Capitalism, the working class was not provided by any significant economic or social safety nets but were exposed to the brutes of market forces asking them to improvise upon improving their skill set according to changing technical know how of digital age. Some could adjust but the most were made redundant.

The economic exclusion of predominantly white Americans over highly productive immigrants resulted in political disorientation within the US whereby they elected Donald Trump as their President who is currently over seeing global economic isolation of the country. Instead of devising a plan for reindustrialization that is ecological and sustainable, his trade policy envisions crude industrialization. The later conclusion is valid one because his government did not ratify Paris accord that is considered to be the key international agreement to curtail global warming that has already lead to sudden change in climate world over. To make matters worse, the rights of individuals are more based on their monetary value rather than social equity and that is driving economic policies of Trump Administration.

Since the end of cold war in 1980s, Capitalism has appeared in many unsuspected places in the world i.e., China and it came with the distortions of depreciation creating economic and social in equalities in the process. Better late than never; the sane voices within such regions of the globe drew the attention of their governments to the ecology of depreciation and countries like China are investing hefty amounts on the Research and Development of renewable technologies as a matter of early starters. Here one should mention the irony that it is the US that is the pioneer in renewable technologies but intellectual property rights have made all such technologies and their application a luxury than a necessity.

Most importantly the ecology of depreciation draws our attention to the relationship of humans with each other and their collective with mother nature. In other words human rights that suggest freedom of choice above creed, religion or culture becomes paramount. The ecological and green solutions that would lead to social, economic and political empowerment of individual and the collective in human society are needed to become the basis for economic policies of the governments' world over.

2. Consumer Cognitive Choices in Product Design:

One of the most fascinating Hollywood Actor Jhonny Depp likes to dress up like a gypsy and worlds most fascinating spy James Bond dresses up in a body fit texedo flying over cars, buildings and some times out of planes. Welcome to the lore of urban legends that the population of globalised world is exposed to through digital boxes of various kinds. Though majority of the global population is bereft of directly consuming the modern and high end fashion products that are show cased in these urban legends, nearly all of them would approve

of it visually and go for second, third or nth grade/version of the product design they can get their hands to depending on their relative and respective purchasing power. This also means that aesthetic choices of consumers follow innovative designs and this comes to us naturally by our subconscious cognition. Be it auto mobiles, mobile technology, green energy or clothing etc, the innovative product design matters to consumers irrespective of demographic, racial, cultural, economic or religious orientation. Our deeper understanding of mother-nature and advent of technology are making product designs efficient, eco friendly, affordable and aesthetic. The dwellers of the modern world are readily utilizing and consuming products of different utilities to live a life of energy efficient comfort. However there are excluded and marginalized populations and they are no less in number that cannot afford the benefits of what scientific Industrial complex has to offer. For these marginalized segments, frameworks of social, economic and political designs like Sustainable Development Goals are offered. Human rights are fundamental to not only our social, political and economic evolution but it has also been a key to finding the relationship of our technical progress with nature's eco system. Today we have been evolved in to a scientific society and we want the benefits of science to be utilized universally while catering to the intricacies of cultural, religious or sexual differentiations. The Industrial complex competes through intra industry product differentiation by focusing on cultural, religious and social histories of locations and inter industry product alignments take place through smooth supply chains. This way equity in product design differentiation takes place in service of consumers with common technical blue prints.

3. Music and Interstellar Contact

There is a proverb of contemporary global culture that music is the soul of humanity. Every culture has developed different musical tunes and with the advent of electrical instruments the tunes are making way to a common view amongst many of us that interstellar contact has taken place. Recently NASA has discovered that every heavenly object including billions of stars and their revolving planets has a peculiar sound frequency. Recently music industry has witnessed a rapid evolution with many different genres of music introduced to entertain the masses and sooth their souls. Is it that we are playing and singing the tunes of these interstellar heavenly objects that are contacting our cognition through peculiar frequencies through the channels of gravity waves? If so we are singing and dancing on the tunes of this universe and its beauty. The virtual applications like You Tube have made these tunes and their particular rhythm accessible to all who can access or receive internet. Providing free internet service through drones in regions like Africa by the likes of Facebook is positive externality of economics of technology.

4. Art versus Science of Interstellar Travel: Case Study of Space X Falcon Mission

Recently SpaceX has sent a self driving sports car in deep space by launching its trade mark rocket that has capacity to be refueled after landing back on its launching pad. Sending of a sports car on such expensive aeronautical equipment was more than a fancy wish list of billionaire Elon Musk. Actually this odd decision had some good scientific thinking behind. Elon Musk also owns UBER that has pioneered in self driving cars/intelligent robotics. In order to create intelligent robotics not only the machine has to process big data problems but it should be able to give unique solutions through self learning simulations. Automobiles are probably the most commonly used industrial invention of homo-sapiens to this date and these machines have evolved into intelligent self driving vehicles that can interact with others of their kind when most are driven by human subjects on the road. Well this is the most common evolution of technology on mother earth. The deep space utility of our most commonly witnessed technical evolution comes when it finds another planet with the right force of gravity housed by an intelligent life form that can appreciate this technology through their first hand relevant experience of their own. So it was a good decision to market Elon Musk vision of space travel and finding habitable planets.

Having said this, Elon Musk could have also sent a handmade carpet. Since many a centuries handmade carpets have been very popular in our homes that are especially made in Iran. Most commonly popular designs have octagon florals on it. Octagon florals give away our cognitive design understanding of multidimensional and over lapping status and secret of our universe imbibed with other possible ones. Octagon floral designs also frame the integration and derivation of infinite solution matrices by randomizing flat obstacles. (Bianca and Rondini, 2009) Many of these designs also brings a mathematicians attention to static or dynamic hexagon solutions so needed and utilized in cloud computing simulations and solutions.

Furthermore assuming if any intelligent specie in deep space finds a simple Iranian carpet, it would be most intrigued by an octagon floral and its randomly designed application in Mathematics and theoretical physics.

5. Space Pod Model X:

The advent of laser technologies have given us scientific understanding of protective shields made up of laser beams (A.N. Chester, V.S. Letokhov, S. Martellucci, 2012). In most common scientific understanding its utility is envisaged to be two dimensional because a protective shield is utilized through xy-axis coordinates from consol directed towards each other. A very neat idea of such two dimensional protective shield is shown recently in Netflix science fiction TV series Star Trek: The Discovery.

If two dimensional protective shield is possible, than one can easily workout a concept of a three dimensional one and its practical utility. The three dimensional protective shield looks like a shape of a balloon on a 360 degree plot with xyz-axis. The only challenge is to bend the protective shield on its own like a rainbow making access points from a single control panel working as a floor to the balloon.

Assuming that such a model function of 360 degree balloon like protective shield is achieved through single consol, it has a very interesting utility for air travel much like hot air balloons and making itself into a commercial success through Model X drone taxi or even a Model X space pod.

The most important missing detail is how it will carry itself enabling it to float in air or space. Again the idea of hot air balloon gives the cue where as the only difference is our space pod model X is air tight. Here the innovation to fly Model X comes through the control panel that is also beaming out 360 degree protective shields. The idea is that the control panel generates a chemical reaction to form a chemical environment that makes Model X along with its pilot lighter than air. The appropriate space suit for the passenger and its composition would strictly depend on the environment inside model X.

Science of astrophysics know of many space clouds and their respective chemical compositions or it knows about many liquid gass oceans and their chemical compositions like Saturn's various Moons that make them lighter than air that is mainly composed of oxygen like ours on Earth.

Assuming our space pod model X full fills these technical requirements with a facility to upto two persons, It would turn out to be of good commercial and economical value with the likes of drone Taxis. A new age of mass scale air and space travel up to small distances would be possible.

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