

Searching for Initiating Economic & Financial Participation and Scientific Publication on Scientist Innovation's Behavior and Judgement with Sustainability

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Abstract

The scientist can solve the technological knowledge and experience through their accumulated one so they can provide important role with designing and producing product like atomic bomb etc. high technological field whose leading effectiveness is proven by us frequently. There are many doctor graduated from American famous university can resolve the theoretical formula in order to simulate the atomic force network which may provide an important information and message before we process manufacturing procedure so it may indicate the general size in light of force which affords us the general design parameters usefully. whereby we can avoid many times experiment even producing course deviation which may save many people labour and lots of expense. On the other hand the economic income for general man may attain through spending financial expense like recent golden price which can be affected through stabilizing world political situation, once there is war etc accident it will indicate under controlling price increase which may bring out many chances by gambler like American.

Keywords: searching; economic; reformation; initiating; scientist; expert; innovation; sustainability; behavior; judgement

1. Introduction

The scientist can play an eminent role on deciding the determination in important matters for our country so we must give them much convenience even high salary at department of university and manufacturer. The community developing degree and future tendency's judgement can be done in advance, which may form potential capital for many enterprises to export their commodity frequently. So we need scientist like experts to manage the mathematical equation to judge the behavior about surrounding customers or foreign national companies' benefit in advance for us to make determination to invest our capital preparation.

On the other hand in modern society every man has right to make risky capital income from their investment. So the relevant knowledge should be learned by us like reading Newspaper or journal to prevent from happening those incident matters in future which may make us lose more money. On that contrary some gambles can clearly see the chance and boldly buy a lot gold so that that makes them earn

much more money. Many times buying and selling will let them earn much capital within a year even more than that.

At the same time, the technology and economy is able to make us to be entry a good circulation from our daily life to national prosperity. Thereby the scientist is able to define current situation and benefit from salary to bonus income. We should study them how to deal with the matters and what to do recently make give us many experience and knowledge. [1~4]

Overviews the economic development will connect with regional one and scientific capability, so initiating regional advantage like near coast to sea, Pacific ocean & Indian ocean etc big ocean to finish its exportation and importation actively and positively whose benefit will afford eminent enhancement through that one belt and one road initiative and innovations in Chinese traders. Experts can propose some predictions like future GDP trend among relevant countries and territories, so the reasonable initiatives may be produced so as to bring out the whole productive exportation's destination to make efforts continuously.

2.1 Domestic city average salary situation

Table 1 The domestic city entire average salary top ten [2]

Cities	2023 no private unit staff average salary, thousand yuan/year	2023 private unit staff average salary, thousand yuan/year
Shanghai	229	111
Beijing	218	105
Shenzhen	174	94
Hangzhou	161	89
Nanjing	169	82
Guangzhou	158	81
Suzhou	138	83
Wuxi	139	80
Ningbo	138	77
Zhuhai	133	77

The domestic city entire average salary top ten ranking has been issued in 2023 shown in Table 1 where Shanghai, Beijing, Shenzhen would occupy the top three one with 229~174 thousand yuan per year in no private unit and with 111~94 thousand yuan per year in private unit.

2.2 Golden price sustainable enhancement

The golden price continuously enhancing results investment spur can embody high price vibration and that short term acquiring profit is not able to realize. Like stock the golden price goes on vibrating with high price make some declination, however expert suggests as a capital alignment the gold is going to hard currency. [3] The detail aspects are included as below. 1. Golden price occurs to decline in short terms and make business promotes correspondingly. The golden one actually has increased all the time in recent years. In 2022 initial the price was 371yuan/g, in 2023 initial it became 412 yuan/g whilst in 2024 the golden one stably is 480 yuan/g. However in this year summer the price attains 520 yuan/g. in this Nov. 20th this year the advantage one offers 730 yuan/g whilst the before advantage the price would afford 790 yuan/g. ; 2. Golden high price results in the big accessory can not be sold. The golden investment performance will be higher than accessory. The expert says that with international bear news factor gradually is digested by market and American federal reserve year end currency policy transforms potentially, Asian territory golden demand enhances, and in declining interest period the golden one has profit trend so on the view of long terms the golden one is going to optimize. So that the investment's golden strip play its important role in the place of distributing risk, balancing capital allocation aspects it still wield. However any

investment has risk specially in current golden price lies in historical high one so choosing gold must be prudent and focus on international gold price whilst making it to be evaluating market price's important references meanwhile balancing themselves whether they can compliantly correspond to situation change and business market vibration not to affect family's stability because of golden investment.

2.3 Quantum battery and Aiko N type ABC component

Some of the quantum battery relevant papers can be included as following. 1. Ergotropy and capacity optimization in Heisenberg spin-chain quantum batteries; 2. Magnetic Dipolar Quantum Battery with Spin-Orbit Coupling; 3. Evaluating extractable work of quantum batteries via entropic uncertainty relations; 4. Quantum Charging Advantage Cannot Be Extensive Without Global Operations; 5. Super-Extensive Scaling in 1D-1/2 XY- $\Gamma(\gamma)$ Spin Chain Quantum Battery. Its description has narrated as following. We investigate the performance of a one-dimensional (1D) spin-1/2 Heisenberg XY- $\Gamma(\gamma)$ quantum chain as a working medium for a quantum battery (QB) and analyze both closed and open system scenarios. The closed QB scenario is explored by analytically evaluating ergotropy across different spin-spin couplings, anisotropies in spin interactions, Zeeman field strengths, charging field intensities, Γ interactions, and temperature. Results indicate that ergotropy is highly dependent on spin-spin coupling and anisotropy. Under variable parameters, an increase in the spin-spin coupling strength displays quenches and exhibits non-equilibrium trends in ergotropy. After a quench, ergotropy may experience a sharp increase or drop -- suggesting optimal operational conditions for QB performance. In the open QB scenario, we examine spin chains of sizes $2 \leq N \leq 8$ under the influence of dephasing, focusing on the evolution of ergotropy. We study two charging schemes: parallel charging, where spins are non-interacting, and collective charging, involving spin-spin coupling. In the former, increased Zeeman field strength enhances both the peak ergotropy and charging rate, although without any quantum advantage or super-extensive scaling. In the latter, increasing spin-spin coupling might not achieve super-extensive scaling without introducing anisotropy in the spin-spin interaction. Our results suggest that optimal QB performance and a quantum advantage in scaling can be achieved by leveraging anisotropic spin-spin couplings and non-zero Γ interactions, allowing for faster charging and higher ergotropy under super-extensive scaling conditions up to 1.24 for the given size of the spin chain.

On the contrary the Aiko N type ABC component has owned high power, high profit, high safe three goodness whose component power is 650KW and transforming ratio is 24% for photovoltaic item. Its advantages has features as following. 1. shadow generating electric optimization; 2. temperature coefficient optimization; 3. higher quality aesthetics; 4. high temperature control; 5. potential crack resistance; 6. higher generating electric amount; 7. lower BOS(balance of system) cost. [1]

2.4 Zhejiang, Fujian provinces & Korea GDP comparison

The Zhejiang, Fujian provinces & Korea GDP status will retain in Figure 1 whose value arrives 1,790, 1167, 770 billion USD in 2022 with increasing speed 0.3%, 17.4%, 16.2% within 2022~2020 respectively. So the Zhejiang and Fujian one could maintain the highest two growth speeds with stability whilst Korea maintains the lowest one. Probably after more than five~seven years the former two will surpass the latter gradually.

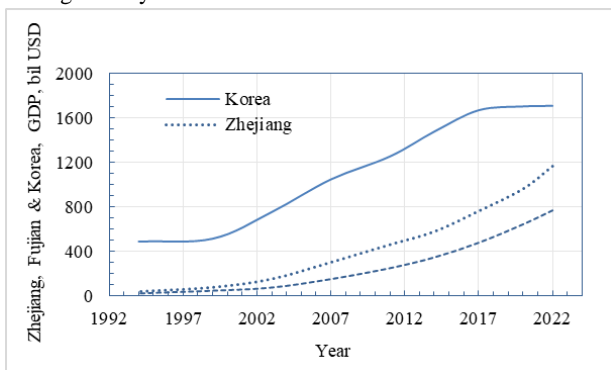


Figure 1 The Zhejiang, Fujian two provinces and Korea(Rep.) GDP status. [5]

In Figure 2 the top five capital & province GDP rate with Changchun Yinchuan Chengdu Wuhan Xian cities may gradually increase with 52%, 51%, 36.7%, 35.8%, 35% in 2023. Meantime, their increase speed rate retains -0.3%, 3%, 2%, 2.5%, 0% accordingly within 2023 and 2022. On the whole, the Yinchuan retains the highest rate above 50% and following Changchun currently after 2018 was able to be entry that value whilst the others three maintains 35% value.

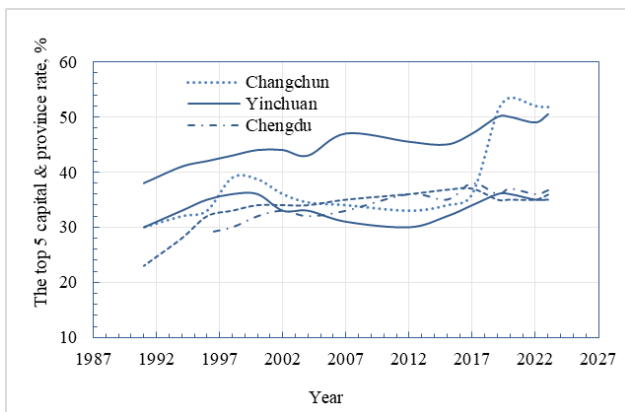


Table 2 Guangzhou automobile group sales in May, 2024.

No.	Number	2023 same month	Accumulative number	2023 accumulative number	Accumulative comparison increase, %	Group company
1	61,088	73,600	265,928	365,600	-27.26	Toyota
2	32,881	34,093	156,098	146.9	6.24	Trumpchi

Figure 2 The top five capital & province GDP rate status. [5]

The Hebei, Shanxi, Inner Mongolia provincial GDP has afforded in Figure 3 whose value provides 4.27 trillion, 2.56 trillion, 2.37 trillion dollars in 2022 with the increase speed rate 19%, 60%, 38% between 2022~2018 accordingly. The Shanxi's one indicates the highest speed rate, then Inner Mongolia and Hebei in turns.

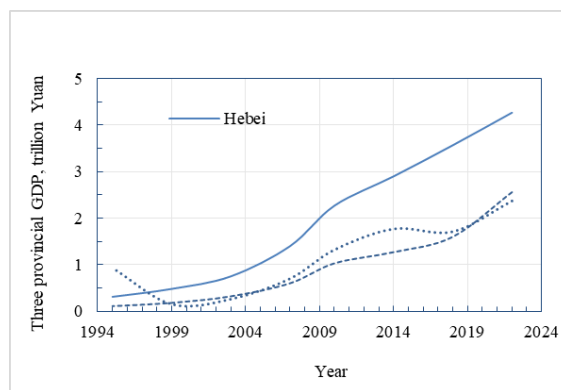


Figure 3 The three provincial GDP status. [8]

Furthermore, the increase time indicates 13.78, 23.27, 2.54 respectively for their three regions within 2022~1995. We found that the Shanxi has the biggest progress, then the Hebei occupies the second one, at last the Inner Mongolia in turns in 27 years totally. Because the Hebei lies in the Bohai strait so its developing speed has bigger potential space for processing the bilateral and multi-lateral trade with other countries, and then Shanxi and Inner Mongolia one at last.

2.5 Guangqing group sale list

The Guangzhou automobile company has retained 156,510 with 37,525 new energy vehicles in May, 2024, and more information can be observed in details as Table 2. [6] On the other hand the accumulative increase rate indicated -24% and new energy one provided -28.3% increase one, which means the sale in May, 2024 has not afforded good sale. That probably was caused through Europe tariff increasing policies to China vehicle exportation. Regardless of that the first~fourth sale position would be Toyota Trumpchi Honda Aion Aion new energy in turns. However the Trumpchi has afforded positively increase rate 6.24% only.

3	31,931	34,093	173,580	229,300	-24.3	Honda
4	30,420	44,875	100,637	146,204	-38.71	Aion
Others	198	2,630	3,266	20,672	-84.1	Aion new energy
Total amount	156,510	209,606	699,529	926,706	-24	-
New energy one	37,525	50,377	131,623	183,767	-28.38	-

2.6 America Federal government’s debt

It has indicated 36 trillion dollars said by American Financial Ministry on November 24th, 2024 which releases the latest data to form the historical summit. The huge federal debts will become merely cause for American Federal Government. In 2024 financial fiscal year it expended 6.7 trillion dollars and earned 4.9 trillion ones so the financial deficit indicates 1.8 trillion dollars. From 2025 financial fiscal year to now they has expended 0.58 trillion dollars and earned 0.32 trillion ones. Recently their debt scale expands quickly, in September 2023 their debt breaks through 33 trillion dollars big threshold. From January to July their debt increases from 34 trillion USD to 35 trillion USD, and in short three months their debt re-enhances 1 trillion USD. On the other hand, American congress budget office forecasts in 2027 the public owning America federal government’s debt ratio is going to occupy probably to increase to 106% of domestic gross product(GDP) so that it will break through the record in 1946. so their debt goes on enhancing has brought out severely domestic economy and fringe political risk and tire American economic development resulted in inflation and interest increase and caused to push federal forecast space further. [3]

2.7 Literature friction providing force

The literature friction can afford innovated force for wisdom trip in that digital, network, wisdom tourism’s quickly developing time it is not only a literature formality but also wisdom tourism developing inspirational force and innovative one. That is said in Beijing opened Wisdom Tourism Exhibition activity in Nov. 22nd, 2024. That exhibition merely expresses wisdom tourism developing latest achievement for promoting model’s leading role and affording & demand connection further enriches new provision. It is about to explore with imagining and forecast for the sake of searching unknown world’s key whose exclusively imagining and infinite possibility. Recently with regard to scientific development the wisdom tourism as a tourism and modern technological melting

product has gradually changed our tourism mode. Moreover, it will become not only a technological reformation but also a idea change. [4] It and wisdom tourism conflict can occur what kind of flame? It includes melting plenty cultural element and technological image which provides the combination modeling of culture and technology. Through virtual actuality the literature friction is able to produce ancient cultural trace so as to re-know that evolution history and experience crossing time-space feel which may let us know the history heavy and charm. Thereby the heritage and protection about history legacy affords new possibility.

2.8 Journal publication’s occurrence

The IJCR(International Journal of Current Research), www.journalcra.com has an impact factor in 2023 with 8.13. and it is an open access scholarly, online, peer-reviewed, interdisciplinary, monthly, and fully refereed journal. Smooth, simple and timely publishing of review and research articles. We are pleased to inform you that IJCR is going to launch its next issue with Volume 16, Issue 12 in December 2024. We would like to invite you to contribute your Research paper for publication in IJCR. Authors are requested to prepare their manuscript in IJCR paper format, by using IJCR paper Template. The International Journal of Current Research has provided conveniently and rapidly service for our authors. On the other hand, **Cme Live** is an emerging open access journals publisher specializing in all scientific, technical and scholarly disciplines. We even serve the global scholastic communities and contribute to the progress and application of science with our publication. Our passion for serving the scientific community drives us to publish our journals through an open access mode. We strive hard to spread the knowledge and to broaden the scope of worldwide. [7] **Cme Live** publishes their research work globally. In this way the author’s or the researcher’s work reaches to the targeted audience. The journals that area unit published on our site are reviewed by vanguard peer. We focus on bringing out the best quality and original

research works from scientists, researchers, post graduate students and academia on our online platform. Meanwhile we found a recent citation of your research: Kaempferol Protects Against Streptozotocin-Induced Diabetic Cardiomyopathy in Rats by Inhibition of the NLRP3/Caspase-1 Signaling Pathway, Dec 2024, Acta Poloniae Pharmaceutica - Drug Research, An-lu Shen, Yong-qin Du, Min Ye, Lan Zhou.

3. Conclusions

In modernization course the economic income can deal estate like the book <Poor dad and rich one> where the main content could pursue estate dealing with having low risk. Though current house price lies in low depressive status the national council still advocates the dealing status for the sake of improving current price with certain power policies. So we can maintain that one since the price is still not so low. Because different zone has various price which may help us avoid risk merely. On the other hand the stock can provide certain power for our gambler to deal with because it has till meaning to operate short terms and long ones in light of different situation. On the other hand Turing award can affect its effectiveness in scientific field where some outstanding specialist can acquire as an leader in that

field so we must establish as many as that kind scientific award to those who plays an important role and effectiveness as breaking through outstanding achievement by them. Only if we can emphasize the expertise scientist in many aspects can we boost the strong tool to achieve the prosperity like modernization and civilization together and commonly, which may be mainly destination in this study. As you know there are still many matters for us to handle them like foster recruit logistiç achieve retire etc..

Reference

1. Advertisement, Tencent News, Nov. 26th, 2024, Internet
2. Tencent News, Nov. 26th, 2024, Internet
3. Yantain Evening Newspaper, Nov. 24th, 2024, A01
4. Yantain Evening Newspaper, Nov. 26th, 2024, A09
5. Yantain Evening Newspaper, Nov. 24th, 2024, A06
6. Tencent News, Dec. 10, 2024, Internet
7. Guangqing Group, Baidu Baike, Internet
8. Email, Dec. 14, 2024, Internet
9. Tencent News, Dec. 14, 2024