

The Study of Cultivating Stocks Modeling Principle and Mathematical Modeling with Sustaining Talents VIII

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Abstract

Mathematics talents as an important human resource can play their roles more and more, therefore the cultivating them will become the same roles at the same time. So many talents would be looked for and adopt them in institute of university, which is concluded here. Giving them developing opportunity and conditions goodly and resolving their logistics for maintaining them. We must care for their real difficulty and trust them whilst resolving their problems true at all. The best logistics will give them to make talents comfortably and conveniently so they can put their mind only for working. Resolving their partner with some privilege whilst encouraging them boldly trials new thing. The sustainability with new energy utilization has to be advocated and supported by corresponding constitution mechanism and university which includes those two aspects content. The monitor and inspect role must be proceeded in order to thrive and regulate economy, green finance, stock market etc. throughout. So the progress may be checked up continuously and constantly for really promoting the industrial sustainability in the end and on the whole.

Keywords: Mathematical; Study; cultivate; principle; Modeling Talents; Sustainability; modeling

Introduction

Mathematics talents have been significant in modern society who could finish complicated course to resolve the very difficult problems often, for the sake of promoting society progress many those talents have to be needed urgently. Furthermore the new subject like quantum dynamics, robotics and AI (artificial intelligence) computer field could have wanted to pursue sophisticated computation to prove its feasibility and optimum design. They are used not only in technology but also used in economy like many modelling establishment to predict the tendency for deciding tactic. So we have to emphasize it from talents recruitment to their logistics for guaranteeing their smoothly doing research in resolving difficult problem met in science exploration. Those two aspects have occupied critically important positions in technology advancement and society progress, thereby the urgently active work will be necessary and essential for us to arrange and make strategic plans from long views of paying

endeavour, which must be under clear plan and regulating policy by government institution and university. With regards to developing economy it will be exhibiting effectiveness gradually, and how to control the scale which may be done by authority from governmental monitoring and finance institution including some universities. How to deal with the urgency and necessity prioritization must be depending correspondingly policy, upgrading new one, regulating complementary one. In short, the sustainability with them can be confirmed and can contribute to the new energy supporting finance and stock market currently, which is involved. We should build correspondingly monitor and inspect frequently guaranteed to throughout proceed that procedure. Furthermore the award institution will be granted if they do well at contributing to society progress and technology developing meantime the penalty will be done if it does bad or is in failure. Therein the correspondingly active one will help enterprise and talents to adopt positive attitude and endeavor working in their

position for completely wielding their wisdom and capability, which is proposal here [1-7].

Discussions

Stocks modeling principle and innovation technology

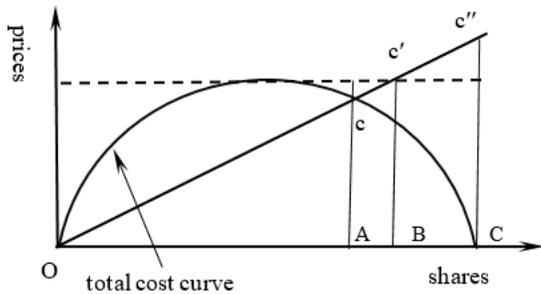


Figure 1 Scheme between shares and profits in light of the profit and total cost curve.

In Figure 1 the shares with cost could be exhibited whose A, B, C represents the shares of c, c' & c'' point in profit line. The c, c' & c'' point expresses the zero, a certain profit, complete one respectively while the risk has to increase too, so we better choose the share number bigger than c point which has been the intersection between total cost curve and profit line. The quadratic and linear equations model has been established in light of supposing labor, capital, product quantity ie. shares. The results exhibit 8,000 shares with the cost price 44 yuan and maximum price 52 yuan will be c point in Figure 1, so the more than 8,000 shares can be beneficial to us which may let us earn maximum 150,000 yuan. If the shares increase to c'' point the biggest benefit can be acquired in spite of increasing risk. The c'' point is more than 20,000 shares in light of calculating modeling.

Table 1 Recent achievement looking back in stock market in April and May 2024.

Selected Time	Code	Name	Increase amplitude, %	Main line
2024-4-22	000922	Jiadian Limt	20	AI manufacture
2024-4-22	000738	Hangfa Control	13	Low air economy
2024-4-29	603970	Zhongnong Lihua	6.6	Chemical
2024-4-29	688777	Zhongkong Tech	-9.3	New productive forces
2024-5-6	600363	Lianchuang Photoelectricity	2.4	Low air economy
2024-5-6	300724	Jiejia Weichuang	2.3	Chip+photovoltaic battery
2024-5-13	600642	Shenlin Limt	0.8	Electric force+high invindent
2024-5-13	300738	Lifei Tech	15	Computation+AI
2024-5-20	301280	Zhucheng Tech	0.4	Robotic conception
2024-5-20	601019	Shandong Pub	4.3	High invindent+ culture media

Table 1 shows that the maximum increase amplitude is 20% with [Jiadian Limt] having code number 000922 which proceeds AI manufacture on April 22nd, 2024. Then it is [Lifei Tech] and [Hangfa Control] with 15% and 13% increase amplitude with code 300738 and 000738 proceeding computation +AI and low air economy respectively. On the other hand the baddest one is [Zhongkong Tech] with -9.3% IA proceeding new productive forces on April 29th, 2024. then [Shenlin Limit] and [Zhucheng Tech] have 0.8% and 0.4% IA to proceed electric+high invindent and robotic conception correspondingly. It may show the AI, computation, low air economy will be welcome bushiness currently and then chemical and chip will follow them, at last new productive force, robotics, electric force may express. It explains that the plate of AI and computation will maintain the highest position and then new one like productive force, robotics and

electric force lies in the lowest position temporarily in April and May 2024 stock market. In this ever-changing era, innovative technology is like a bright light, illuminating our way forward. From digital to intelligent, from intelligent to intelligent, every technological innovation has brought earth-shaking changes to our lives. Many new fields have been formed in light of different subject joint so the cross disciplinarity is going to be created whose aim is exploring innovative subject for sustaining advanced innovation. Innovative technology is like a double-edged sword, which brings us a convenient, efficient and intelligent life, but also brings endless challenges and opportunities. In this day and age, we must learn to adapt and take advantage of these innovative technologies as they have become an integral part of our lives. We have witnessed the rise of artificial intelligence technology, which is gradually penetrating into various fields and bringing great

changes to human society. Whether it is medical health, education and research, transportation, or finance and business, artificial intelligence technology plays an important role. Not only do they increase efficiency and reduce costs, they also create more possibilities for humans. However, the development of innovative technology has also brought some problems. Data security and privacy protection have become the focus of attention. We need to pursue technological progress while focusing on protecting personal privacy and data security to ensure the sustainable development of innovative technologies. In the future, innovative technologies will continue to develop deeply and bring more surprises and changes to human society. We look forward to a future full of infinite possibilities, where humans and technology can coexist in harmony and jointly create a better world. Innovation technological level will become measuring the society progress or not criteria, so in that filling with infinite possibility modern society it is enable us to better process research and developing fringe subjects for creating new department where some of subjects relevantly joint to form new technological knowledge and experience like AI(artificial intelligence) jointly computation and mathematics to be formed.

Talents based on mathematical modeling

First of all, mathematical modeling talents need to have a solid mathematical foundation. Mathematics is the basis of modeling, only by mastering the basic knowledge of mathematics, can we better understand the problem, analyze the problem and solve the problem. Mathematical modeling needs to master the basic concepts, theorems and methods in mathematics, such as linear algebra, calculus, probability statistics, optimization methods, etc. At the same time, mathematical modeling talents need to master the use of mathematical software, such as MATLAB, Python, etc., in order to achieve numerical calculation and data visualization. Secondly, mathematical modeling talents need to have good logical thinking ability and innovative thinking. Mathematical modeling is not a simple application of formulas, but needs to be combined with practical problems for analysis and thinking. In the process of solving problems, it is necessary to use logical thinking to analyze problems, build models and deduce conclusions. At the same time, it is necessary to have certain innovative thinking to break through the traditional thinking mode and propose new solutions. In addition, mathematical modeling talents also need to have teamwork and communication skills. In the modeling process, you need to discuss, communicate and collaborate with team members to solve problems together. At the same time, when explaining their modeling ideas and results to others, they need to have good communication skills and be able to express their ideas and opinions clearly and accurately. To sum up, mathematical modeling talents are indispensable talents in today's society, they need to have a solid mathematical foundation, good logical thinking ability and innovative thinking, but also need to

have team cooperation ability and communication skills. Only those with these qualities can better adapt to the development and needs of society. Finally, in order to train more mathematical modeling talents, it is suggested to strengthen the reform of mathematics education, pay attention to training students' mathematical thinking and problem-solving ability, and strengthen the practice and application of mathematical modeling, so that students can constantly exercise and improve their ability in practice. In addition, activities such as mathematical modeling competitions can be held to attract more young people to participate in the field of mathematical modeling.

Table 2 2024 QS World Top 50 Universities Rankings.

No	University	Country	No	University	Country
1	MIT	USA	26	Nanyang Technological U	Singapore
2	U of Cambridge	Brit	27	U of Hongkong	China Hongkong
3	U of Oxford	Brit	28	Johns Hopkins U	USA
4	Harvard U	USA	29	U of Tokyo	Japan
5	Stanford U	USA	30	U of C, Los Angeles school	USA
6	Imperial College London	Brit	31	Mcgill U	Canada
7	Eth Zurich	Swiss	32	U of Manchester	Brit
8	National University of Singapore	Singapore	33	Michigan U, Ann Arbor	USA
9	U of College London	Brit	34	Australian National U	Australia
10	CU, Berkeley School	USA	35	U of British Columbia	Canada
11	U of Chicago	USA	36	Lausanne Federal Polytechnic U	Swiss
12	Pennsylvania U	USA	37	Technical U Munich	Germany
13	Cornell U	USA	38	Polytechnic Institute of Paris	France
14	U of Melbourne	Australia	39	New York U	USA

15	CIT	USA	40	King's College London	Brit
16	Yale U	USA	41	Seoul National U	South Korea
17	Peking U	China	42	Monash U	Australia
18	Princeton U	USA	43	U of Queensland	Australia
20	U of Sydney	Australia	44	Zhejiang U	China
21	U of Toronto	Canada	45	London School of Economics and Politics Science	Brit
19	U of New South Wales	Australia	46	Kyoto U	Japan
22	U of Edinburgh	Brit	47	Delft U of Technology	Holland
23	Columbia U	USA	48	Northwestern U	USA
24	Paris Sciences et Lettres U	France	49	Chinese U of HK	China, HongKong
25	Tsinghua U	China	50	Fudan U	China

Table 2 shows that the front 50 universities in light of QS(Quacquarelli Symonds: British International Education Market Consult Corporation) world rankings in 2024. The current nine criteria have included in academic occupied reputation 30%, declining 10%; employer reputation 15%, raising 5%; paper cited number per teacher 20%; teacher and student rate 10%, declining 10%; international teacher rate 5%; student abroad 5%; international research web 5%, new; recruitment achievement 5%, new; sustainability 5%, new. [11] 2024 QS rankings have improved two maximum items included recruiting capacity and sustainability indexes which are accommodated in rankings system would become globally unique and concurrently including them system. It exhibits the MIT, U of Cambridge, U of Oxford, Harvard U, Stanford U, Imperial College London, Eth Zurich, National Singapore of U, U of College London, CU, Berkeley has been occupying front ten positions in turns and Chinese Peking U and Tsinghua U attains 17th and 25th position respectively. University of Toronto lies in 21st one while Mcgill University attains 31st and U of British Columbia attains 35th in Canadian University. It expresses that Canadian and Australian Universities owns more still. They

are lying in a certain positions as an important index in this evaluation rankings. The USA owns the most 16 universities occupied 32% whilst Britain owns following 8 ones attained 16% and Australia owns 4 ones attains 8% in top 50 universities. China mainland possesses 4 universities occupied 8% and HK has 2 universities occupied 4% while Singapore has 2 ones occupied the 4% too additionally.

Conclusion

On behalf of mathematics talent the significance and importance should be known for its basic principle to resolve many complicated problem we met now. In stock market the modeling is able to be established for solving reminder and decision for us with sustainability. We should see both of them advantage and disadvantage for us to be aware and adopt reasonable solution. The former is a base when the latter is a tool and the former will design the latter, thereby talents are key factor. We should enhance the force to look for them and cultivating talents from all over the world to become an expert to wield their usefulness, which is an important joint in this paper. The stock market behavior could be considered as investing one and judge how to win more capital based on software tools. So the correct decision must be done for catching benefit chance to earn through referring it. We don't completely depend software since it has been a suggestion and reminder for us to acknowledge. Thereby the mathematics talents and stock software as an important source should be treated differently, the former will be key to cultivate continuously for their owning knowledge and experience whilst the latter can be only computing and gain a result with operating by talents and professional humans. We could use talents to work from complicated situation solution and use modeling to analyse the result with not being responsible for us. So if they are utilized reasonably and scientifically the good effectiveness would be acquired from them commonly.

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