

# Analysis of Library Building Design from the Concept of Green Building

Qing Zeng, Xiaoqiang Wang

Hunan City University, College of Architecture and Urban Planning, Yiyang, Hunan, China

**Abstract:** *Library is a symbol of urbanization in the present era. The external shape of the library is more elegant and solemn, and the interior also pays more attention to the convenience and comfort. In the design, we need to pay attention to the enjoyment of architectural art beauty, and at the same time, we need to make the layout of the library more scientific and applicable, and meet the needs of the public reading. As a public building with huge flow of people, the library needs to consume a lot of energy when it is open, which is not in line with the characteristics of green building advocated at present. Therefore, in order to implement the concept of environmental protection, it is necessary to integrate the design of library building with the concept of green building. At the same time, the library is also a cultural building, and it needs to reflect the scientific concept of humanistic care and people-oriented. Therefore, this paper mainly analyzes and discusses the library design under the concept of green building.*

**Keywords:** Green building; Library; Design.

## 1. INTRODUCTION

As a public building in the city, library can not only be used for reading and collection, but also a place for people to improve themselves in leisure time. It plays a very important role in the development of current social civilization. With the continuous development and progress of the current social era, many cities have greatly improved the level of museum management and technical level. But at the same time, in order to comply with the development requirements of the current green building, we need to keep pace with the pace of the times to realize the construction of green ecological concept, and gradually build up the green ecological system in this process. This kind of construction concept can better realize the construction of green ecological civilization atmosphere and the implementation of environmental protection concept.

In recent years, regional comprehensive competitiveness has been continuously strengthened, especially the regional economic vitality, and some regions have also introduced related policies, but the richness of resources in different regions and the effectiveness of policy implementation are also different. Against this background, how to seize key factors to improve the regional economy Vitality has become an important subject. In this paper, the histogram and line graph model and linear regression equation prediction are used to analyze the population of Hebei Province. Finally, through the rational use of the proposed scheme, effectively grasping the key factors has improved the economic vitality of Hebei Province. Then through the establishment of pie chart, the comparison between before and after the industrial development is made and the conclusion is drawn. Finally, different parameters are given different weights to measure the economic vitality of different cities.

## 2. THE SIGNIFICANCE OF BUILDING A GREEN LIBRARY BUILDING

Green is a color with vitality and health, which not only represents fresh and harmonious, but also a symbol of hope, and green also represents greening and ecology. In the current background of the times, the scientific concept of development and the sustainable development of ecological environment are very important. And in the era of more advocating energy conservation and environmental protection, green library has become a trend of current development, but also a necessary requirement of building a harmonious society. The construction of green library can also promote the realization of sustainable development strategy. The realization of green library can better reflect the concept of people-oriented, but also improve the level of the library and the internal and external image of the library. At the same time, it also improves the green concept of librarians and readers, which is a necessary measure to realize the concept of environmental protection.

The realization of the concept of green building of library is the requirement of the continuous development of society, and it is also a new type of green culture, which can derive cultural ecology and information dissemination ecology, and ultimately realize the sustainable development of scientific development concept and academic ecology.

In recent years, with the rapid rise of online ordering platforms, the demand for food delivery has grown rapidly, and scholars have researched food delivery. Tu Hanjiang established a take-out ordering system, modeled the take-out distribution system with the traveling salesman problem, and solved it using the branch and bound method. The system integrates all links from ordering to delivery. The quotient problem can only solve the single-vehicle distribution problem, but cannot solve the multi-vehicle joint distribution problem.

Wang Shuai et al. used the vehicle routing problem with random travel time to model a takeaway delivery model and used genetic algorithm to solve it. They obtained high customer satisfaction and gave a takeaway delivery scheme with random delivery time. However, its satisfaction is calculated based on a randomly generated time window, and there is a lack of comparative experiments, and the experimental results lack convincing. Guo Yue and others optimized the delivery route using the

mileage-saving method and obtained the delivery staff arrangement plan. However, the mileage saving method is an accurate solution algorithm and cannot solve large-scale optimization problems. Tang Rong and others studied the take-out distribution of Hunan University of Technology from the perspective of third-party logistics and proposed a site selection plan for distribution stations. But the method of distribution route planning has not yet been proposed.

The Internet and mobile payment fields in China have developed rapidly in recent years, but foreign countries have not developed as rapidly as China. Therefore, foreign countries have not formed the same phenomenon of large-scale takeaway orders as in China. Instead, their respective merchants took orders through their own food order phones and the distribution solution is self-delivered. So there is a lack of researches on foreign delivery and distribution abroad.

## **2.1 Life Should Be Understood**

To understand life, we should recognize life and death. It is said in the Confucian Analects that "Death and life have their determined appointment; riches and honors depend upon Heaven", Confucius has clearly realized the objectivity and necessity of life and death. As the saying goes, "from of old, death has been the lot of all men", there must be death if there is life. Confucius believes that people who can't understand their lives can't be a real superior man, "Without recognizing the ordinances of Heaven, it is impossible to be a superior man". "Understanding life" here not only refers to recognizing "life" and "death", but also the process of life. Chi Lu asked about serving the spirits of the dead. The Master said, "While you are not able to serve men, how can you serve their spirits?" Chi Lu added, "I venture to ask about death?" He was answered, "While you do not know life, how can you know about death?" Confucius believed that how can one do well in the affairs of ghosts and gods when one does not understand the reality? How can one understand what death is when one does not know what life is! "Recognizing life" here also refers to understanding the dynamic process of life.

Paying attention to the process of human life is an important content of life thought in the Confucian Analects. Life is the starting point of life, death is the end point of life, life and death are static, while life is a dynamic process. "Understanding life" and "understanding fate" of the Confucian Analects is to recognize the process of life, not the static breakpoints of life and death. Confucius said: "There are three things which the superior man guards against. In youth, when the physical powers are not yet settled, he guards against lust. When he is strong and the physical powers are full of vigor, he guards against quarrelsomeness. When he is old, and the animal powers are decayed, he guards against covetousness." Confucius divided life into three stages: adolescence, middle age and old age. According to the different personality characteristics of each stage, he pointed out that we should guard against lust in adolescence, guard against quarrelsomeness in middle age and guard against covetousness in old age. In other words, we should plan our own life and make clear the direction of our efforts and struggle. This is also an important embodiment of the thought of "understanding life" in the Confucian Analects.

## **2.2 Life Should Be Cherished**

The concern for life is an eternal topic that education must pay attention to. In many chapters of the Confucian Analects, the thought of "life should be cherished" is embodied. For example, the stable being burned down, when he was not at court, on his return he said, "Has any man been hurt?" He did not ask about the horses. When the stable was on fire, Confucius did not care about the horse, but whether people were hurt, which fully reflected the thought of caring about life and cherishing life. Of course, what we emphasize is the concern for human life, and whether animals have equal rights with human beings is not what we need to discuss here. Moreover, this topic

itself is very controversial.

Cherishing life is also reflected in Confucius' hard acceptance and grief for death. Yen Yuan is Confucius' favorite and valued disciple, but unfortunately, he died young. In this regard, Confucius was so sad that he could not help crying out "Alas! Heaven is destroying me! Heaven is destroying me!" "Is it excessive? If I am not to mourn bitterly for this man, for whom should I mourn?" "It is killing him. It is the appointment of Heaven, alas! That such a man should have such a sickness! That such a man should have such a sickness!" In the face of his disciple Po-niu's serious illness in bed, Confucius made such a feeling: If Heaven wants to kill him, it's his life. How can such a good man get such a sickness? How can such a virtuous man get such a sickness? "The Master angled, -but did not use a net. He shot, -but not at birds perching." This is true for the life of fish and birds, let alone human beings! It is precisely because of cherishing life, so in Confucius' view, people are disgusted with death. Death and poverty are the things people hate most.

Cherishing life is also reflected in filial piety and love among human relations. On the one hand, it lies in children's cherishing of their parents' life and filial piety; On the other hand, parents cherish their children's lives and care for them. Confucius said: "Parents are anxious lest their children should be sick." Parents' worry lies in their children. As children, they should be aware of their parents' heart to eliminate their worries, which is the filial piety they should do. As children, we should not only be able to support and respect our parents, but also be aware of the age of our parents. As for the age of our parents, we have to know that we should be happy for their long life, and fear and worry for their aging and even death. Therefore, we should try our best to be filial when our parents are alive. As the saying goes, "While his parents are alive, the son may not go abroad to a distance. If he does go abroad, he must have a fixed place to which he goes."

### **2.3 Life Should Be Positive**

Active entry into the world is one of the main ideas throughout the full text of the Analects. Confucius believed that life should be meaningful and should not be abandoned. Just as he said, "Hard is it to deal with him, who will stuff himself with food the whole day, without applying his mind to anything good! Are there not gamblers and chess players? To be one of these would still be better than doing nothing at all."

Positive life needs guidance. The philosopher Tsang said, "Perfect virtue is the burden which he considers it is his to sustain; is it not heavy? Only with death does his course stop; -is it not long?" Confucius said, "If a man in the morning hear the right way, he may die in the evening without regret." Confucius believed that "Tao" is the meaning of life, even higher than life. Scholars should take "benevolence" as their value orientation and "Tao" as their life ambition. In Confucius' view, people will always encounter the problem of direction and road, ranging from governing the country and securing the country to daily life. Positive life should be determined to go the right way, choose a correct direction, and firmly follow this road. Being positive without direction is meaningless, and life without guidance is absurd.

Positive life requires a responsibility. The philosopher Tsang said, "The officer may not be without breadth of mind and vigorous endurance. His burden is heavy and his course is long." To realize the ideal of life, to undertake social responsibility, to serve the country, to serve the society, and to be positive in life needs such responsibility. Because man is not only an independent individual, but also a member of the family and society. Besides improving himself, positive life should also bear social responsibility.

Positive life requires constant self-improvement and perseverance. From the beginning to the end, the Confucian Analects runs through the spirit of self-improvement, teaching people the true meaning of self-respect, self-improvement, tenacity and self-improvement. Confucius said: "Is the practice of perfect virtue from a man himself, or is it from others?" "What the superior man seeks, is in himself. What the mean man seeks, is in others."

People will encounter numerous external and internal obstacles in their life. They may even have to face extremely vicious enemies. Facing thorns and difficulties in life, if they do not work hard and cannot positively live, how can they eliminate obstacles, defeat enemies and defeat themselves. Confucius said that perseverance and positive life does not mean that we should live a miserable life. What he said is an optimistic outlook on life behind such perseverance.

### **2.4 Life Should Be Happy**

In Confucius' view, in the face of all the opportunities in life, we should be happy and forget our worries like Hui.

Someone asked Confucius, "what kind of person can be called a sage?" Confucius said, "Admirable indeed was the virtue of Hui! With a single bamboo dish of rice, a single gourd dish of drink, and living in his mean narrow lane, while others could not have endured the distress, he did not allow his joy to be affected by it. Admirable indeed was the virtue of Hui!" The happiness of life can be divided into two types, one is material, that is, sensory happiness, the other is spiritual, that is, spiritual happiness. Hui is poor in material life, but rich in spiritual life, can you say that he is not happy? Is it possible to get happiness by seeking short-term sensual enjoyment?

Confucius has already told us the answer to this question more than 2500 years ago. The real happiness is the noble spiritual pursuit and pleasure, not the momentary sensory satisfaction and stimulation. Confucius said this, not to be satisfied with the poor life, the important thing is the spirit of being comfortable in the poor life, the indomitable and firm will in the face of the poor life and the setbacks of life, to live a positive and happy life. Confucius was well aware of the hardships of living in poverty, so he said that "others could not endure the distress." Some people will change their ambition because of poverty. What's more, they will sell their personality and dignity, and even give up their lives. Confucius praised Hui, because he was in bad situation but did not allow his joy to be affected by it. He firmly followed his own path and was happy in his way of life. If everyone can do this, how can there be so many painful campus tragedies!

It is impossible for a person to have a smooth life. It requires us to see clearly the essence of the life process and not to demand the comfort of life, because poverty is also an inevitable state in the life process of people in today's society. Some people are material poverty, and some people are spiritual poverty. However, whether it is material poverty or spiritual poverty, the key is to be able to identify poverty as a certain state of human life. We can try our best to change this state. We should not be afraid of poverty, indulge in it and be unable to jump out, let alone think that life is gloomy and the future is dim, and give up life finally. Even if it is difficult for us to get rid of poverty for a while, as long as we face it with a happy life attitude, we can be happy even though we are in poverty. This is the essence of happy life.

### **3. DESIGN POINTS OF GREEN BUILDING DESIGN IN LIBRARY BUILDING**

In the library building, the design of green building needs to meet the following requirements: firstly, the terrain should be used reasonably to give full play to its advantages; secondly, in the design process, the design of energy consumption equipment should be reduced as much as possible, and the construction technology should be used to realize the environmental comfort; the internal air conditioning system should be reasonably designed; and the lighting should be natural as far as possible Daylighting, reduce the energy consumption of lighting; do a good job in indoor and outdoor greening work [1]. From 2017 to 2018, Sunrise Oriental acquired a total of 90% of the equity of Shuaikang Electric. Specific matters are as follows: on February 17, 2017, the fourth meeting of the third session of the Board of Directors of Sunrise Oriental Holdings Co., Ltd. considered and passed the acquisition resolution; on March 6, 2017, Sunrise Oriental's first extraordinary shareholders' general meeting of 2017 considered and passed the acquisition resolution, confirming the acquisition of 75% equity interest in Zhejiang Shuaikang Electric Co. . Subsequently, on January 12, 2018, the twelfth meeting of the third session of the Board of Directors of Sunrise Oriental considered and passed the second acquisition resolution, and after the first extraordinary general meeting of 2018 of Sunrise Oriental considered and passed the acquisition resolution on January 29, 2018, it confirmed that the Company acquired 15% equity interest in Shuaikang Electric with RMB162 million in cash, and after the completion of the acquisition, Sunrise Oriental held a total of 90% equity interest in Shuaikang Electric. 90% equity.

Kitchen appliances and sanitary ware products belong to the same household appliances industry, the industry has a certain degree of relevance, the two can play a synergistic effect, especially in the production model, sales model, end consumers and other aspects. After the completion of the merger and acquisition transaction, the listed company and the subject company in research and development, procurement, production, sales, management, finance and other aspects of integration, and integration of the two sides of the marketing channel network, make full use of their respective advantages, to achieve the integration of resources, so as to enhance the competitiveness of the listed company's market. On the one hand, the listed company will utilize the subject company's many years of accumulated experience in production, sales and management in the kitchen appliance industry to rapidly expand its business in the field of kitchen appliances; on the other hand, the subject company's sales network layout is mainly in the first and second-tier cities, while the listed company's sales channels are mainly concentrated in the townships and the third and fourth-tier cities, and the two sides have a strong complementary to broaden the market for the sale of products. By utilizing the listed company's mature sales channel network in townships and third and fourth tier cities as well as the listed company's financial advantages, the subject company

can quickly sink sales channels, expand market space outside of the highly competitive first and second tier city markets, increase market share, and gain a competitive advantage.

### **3.1 The application of artificial intelligence in electronic control automation**

In order to achieve a good effect of electrical control automation, it is necessary to ensure the normal operation of electrical equipment. When designing electronics, AI can effectively replace various brain programs and respond over time. In the case of electrical automation problems, the application of artificial intelligence to electrical automation can reduce production costs to a certain extent, optimize the existing electrical control system. China is called a large agricultural country because it has a long history of farming civilization and its arable land is vast. The total agricultural output value of China is as high as 5,800,000,000,000,000 Yuan per year. With such a huge data, I hope that by investigating the data that may affect the variables of total agricultural output value such as crop sown area, agricultural machinery ownership, fertilizer application and arable land irrigation area, I can see the function relationship between these variables and total agricultural output value and understand how these variables affect the change of total agricultural output value.

### **3.2 Application in the design of electrical equipment Electrical equipment is often designed using artificial intelligence**

Electrical automation is a very complex and systematic task. Electrical automation equipment uses a lot of interdisciplinary knowledge. Designers should not only make full use of circuit and other professional knowledge, but also have certain practical experience to ensure the normal operation and use of the electrical automation equipment developed. In the past, electromechanical equipment was designed according to human experience, so it was difficult to achieve optimal design goals. Therefore, with the development of science and technology, artificial intelligence is more and more applied to electrical automation design, and the following results have been achieved. Electrified design automation can greatly shorten product development cycle, combine artificial intelligence with computer technology, improve design quality and overall design efficiency. Programmable artificial intelligence, computer support is high, the use of good results. Therefore, changing the labor force can greatly reduce the cost of target workers and improve the efficiency and accuracy of equipment.

### **3.3 The application of electrical equipment management Electrical equipment management is an important content in the field of electrical automation, including:**

3.3.1 Electrical equipment management must obtain personal data through software management. Based on the running state information, the application of artificial intelligence in electrical control can be realized in real time. Therefore, the e-government system based on artificial intelligence realizes the effective distribution and coordination of system resources, and greatly improves the stability and security of the system compared with the existing electrical equipment system.

3.3.2 When artificial intelligence is used for electrical control, the entire production process is adjusted to the specific operating conditions of the various applications. Therefore, before applying ai systems to electrical control, it is necessary to establish appropriate operating standards and fulfill specific commitments to ensure the daily control of ai control system time deviation and operational deviation.

3.3.3 Ai currently controls energy through remote control and automation. Significantly improve energy management efficiency, reduce operator burden, and effectively reduce production process costs. Therefore, enterprises must seize this unique opportunity to develop ARTIFICIAL intelligence, accelerate the application research of ARTIFICIAL intelligence in the field of electrical equipment management, and realize the deep integration of artificial intelligence and e-government [2].

### **3.4 Electrical equipment is often used in daily production and people's lives, but because of its complexity, running time costs increase and efficiency improves**

In order to use AI more effectively in everyday automation, the following measures must be taken: simplify everyday operations. The device can be implemented by basic artificial intelligence control algorithm, which can not only effectively control its operation, but also simplify the remote control interface of the device, greatly improving the performance and security of the device. In the daily work of electrical equipment, AI can simplify the operation interface, quickly process, store important data and provide follow-up queries.

## 4. THE CHARACTERISTICS OF LIBRARY GREEN BUILDING

Artificial intelligence first uses intelligent technology to mimic human thinking, so it can effectively use data and information to control systems. In the current research and analysis of the application of artificial intelligence, we see the wide application of artificial intelligence in various industrial sectors. Artificial intelligence exists in social production and life and can effectively support the development of automation technology. The application of artificial intelligence in energy automation management has greatly improved the efficiency and effect of power system operation and economic benefits of power enterprises. In traditional NUMERICAL control electrical engineering, in order to make the equipment run effectively, it is necessary to manually adjust the relevant production parameters. The application program can effectively prevent the occurrence of problems, and the related parameters can ensure the stable running of the device through dynamic interaction. In addition, parameters can be combined with different production tasks to ensure consistency of actual parameters and parameter data. Therefore, artificial intelligence can not only realize the precise control of parameters, but also ensure the high quality of equipment.

### 4.1 Focus on energy conservation

Energy saving is the main content of green building. In the design, we need to make more use of green vegetation, increase the indoor natural ventilation, and use natural light and solar energy to reduce energy consumption. At the same time, it is also necessary to arrange the time reasonably when opening the library, to save water and electricity energy as much as possible based on meeting the readers' reading needs. The performance commitment of the case was modified once. The original performance commitment in the "Announcement on the Acquisition of 75% Equity Interests in Zhejiang Shuaikang Electric Co., Ltd." released by Sunrise Oriental on February 18, 2017 indicates that the subject company in 2016, 2017, 2018 three years total audited cumulative net profit of not less than 309,401,500 yuan, of which: 2016, 2017, 2018 net profit were not less than 85,004,000 yuan, 102,005,000 yuan and 122,406,000 yuan. But on January 13, 2018 Sunrise Oriental made an adjustment to the performance commitment agreement announcement. The first adjustment is the addition of a new profit compensation party, Sun and Rain Holdings (Sunrise Oriental's controlling shareholder), which reduces the pressure of Shuaikang Electric's performance compensation. The second is to extend the performance commitment period from 2016 to 2018 to 2020, increasing the performance commitment period by two years, and at the same time increasing the commitment to the cumulative net profit of 201.6619 million yuan, which is conducive to the listed company and the subject enterprise to have sufficient time to realize in-depth integration and release synergies. The specific adjusted agreement is as follows: the audited cumulative net profit of the subject company during the five-year period of 2016, 2017, 2018, 2019 and 2020 will not be less than 511,063,400 yuan, and Shuaikang Group and Sun Rain Holdings will act as the profit compensation party of this transaction. According to the agreement, if at the expiration of the profit compensation period, the audited cumulative actual net profit of the subject company is less than the number of promised net profit, Shuaikang Group and Sun & Rain Holding will make profit compensation to Sunrise Oriental in accordance with the ratio of 10%:90%. The specific formula for calculating the amount of performance compensation is as follows:  $|\text{Min}\{\text{Actual accomplished cumulative net profit} - \text{the number of committed net profit} + (\text{the amount of actual advertising investment of the subject company from 2017 to 2020} - \text{the amount of minimum advertising investment of the subject company from 2017 to 2020}), 0\}|$ .

### 4.2 Pay attention to the authenticity and health of literature content

The literature of the library is the core of the library, in which there are very rich literature information. The library not only needs to have a very rich real collection, but also has a very simple virtual collection [2]. In the construction of green library, it is necessary to continuously screen and identify these massive books and information, retain healthy and valuable information, and provide readers with more healthy authentic literature. The regulatory provisions of the securities market, in preparation for major events, listed companies need to disclose information to the public in accordance with the relevant requirements. Through the release of announcements on mergers and acquisitions, reorganization, performance commitment fulfillment and other announcements, investors will combine the relevant information to judge whether the merger and acquisition event will increase the value of the enterprise, whether there is investment significance, to make investment decisions, causing fluctuations in the stock price, which in turn affects the rate of return of the stock. In this paper, when analyzing the short-term performance before and after the release of the performance failure situation, the event study method is adopted to quantify the return status of investors, in order to react to the impact of the information conveyed by this performance failure event to the secondary market, reflecting the market performance of Sunrise East. In this paper, the expiration of Shaikang Electric's performance promise is taken as an event, and the event

date is taken as the date when the news is known to the public, and then a certain period of time is taken as the "window period", and the abnormal rate of return (AR) and the cumulative abnormal rate of return (CAR) are calculated to analyze the impact of this event on the stock price, and to further analyze the market performance during the period of the firm's performance failure.

#### 4.3 Pay attention to environmental protection

The environment of the library is also very important. In the construction of a green library, it is necessary to ensure that the temperature and humidity in the library are suitable for readers to read. At the same time, attention should be paid to the selection of decoration materials to ensure the health and pollution-free environment in the library. In the daily opening of the library, adequate sterilization and disinfection should be ensured to ensure the smooth environment and air in the library. Sunrise released the announcement of performance promise fulfillment on May 29, 2021, so May 29, 2021 is the date when the market first received the news of Shuaikang Electric's performance failure, and this paper takes this date as the event date and selects 10 days before and after the event date as the window period, i.e., (-10,10) for a total of 20 trading days; and 200 days before and after the event date as the estimation period, i.e., (-200,200) totaling 400 trading days. The market model used in this paper to estimate the normal return is as follows:  $R_t = \beta R_{mt} + \alpha$ . Where  $R_{mt}$  is the market return and  $R_t$  is the individual stock normal return. Based on the stock data of 400 trading days in the estimation period using EXCEL to derive the linear regression trend graph in Figure 1, the regression equation of the relationship is obtained as follows:  $R_t = 0.6014R_{mt} - 0.0014$ .

**Table 1:** Data for Sunrise Orient during the window of performance failure events

window period	Real rate of return Rit	Shenzhen Composite Index Yield Rmt	Excess yield AR	Cumulative excess return CAR
-10	-0.22%	0.04%	-0.11%	2.18%
-9	0.45%	-0.23%	0.73%	2.91%
-8	0.91%	-0.35%	1.26%	4.17%
-7	-1.12%	0.82%	-1.47%	2.70%
-6	-0.22%	-0.61%	0.29%	2.98%
-5	0.00%	-2.29%	1.52%	4.50%
-4	-1.11%	0.36%	-1.18%	3.32%
-3	0.22%	-0.69%	0.78%	4.10%
-2	0.00%	0.30%	-0.04%	4.06%
-1	-1.74%	-0.96%	-1.03%	3.03%
1	-1.29%	-0.26%	-1.00%	2.04%
2	1.75%	1.19%	1.17%	3.21%
3	-1.72%	0.66%	-1.97%	1.24%
4	-0.64%	-0.74%	-0.06%	1.18%
5	-1.89%	0.06%	-1.78%	-0.60%
6	1.06%	0.99%	0.60%	0.00%
7	-1.87%	-0.01%	-1.73%	-1.72%
8	0.00%	-1.18%	0.85%	-0.88%
9	3.89%	0.62%	3.65%	2.78%
10	2.66%	0.87%	2.28%	5.05%

Data source: Juchao Information Network.

#### 4.4 Pay attention to service concept

Readers are the center of the library. In the process of construction, we need to pay attention to the needs of readers and simplify the borrowing procedures as much as possible. In the process of readers borrowing, the staff also need to have higher quality and noble sentiment to form a unique library culture. According to Table 1, it can be seen that before the performance failure announcement, the excess return and cumulative return of Sunrise Oriental fluctuated gently within a certain range, but after the performance failure announcement was issued, the cumulative return of Sunrise Oriental showed a significant downward trend from 3.03% on the day before the occurrence of the event to -1.72% on the seventh day, and the actual number of earnings was also negative for three consecutive days, with the lowest value in the window period of -1.97% for the day on the third day of the

announcement. On the third day of the announcement, the daily excess return showed the lowest value of -1.97% during the window. As we can see, the overall downward trend in Sunrise's stock returns over the seven-day period after the news of the performance failure was released, Sunrise's announcement of Shuaikang Electric's performance failure had a negative impact on market performance to a certain extent.

## 5. THE APPLICATION OF GREEN BUILDING DESIGN IN LIBRARY BUILDING

In the case of the proposed bet, the ratio of bets that a person is willing to accept can be used as a measure of his subjective belief. Suppose that "win or lose this match" is used as the bet, A takes out 300 yuan as the bet, B takes out 100 yuan as the bet, and both sides agree that when the match is won, all the bet money 400 yuan will be owned by A, and when the match is lost, all the bet money will be owned by B. the betting dealer of A is  $\frac{3}{4}$ . When A's confidence of winning the match is higher than  $\frac{3}{4}$ , he will accept the bet. When A's confidence of winning the match is less than  $\frac{3}{4}$ , he will not accept the bet. Thus, it can be seen that A's new belief in the event of winning or losing the match is the highest betting dealer he is willing to accept. A is willing to bet against the match winner in a ratio of 3:1, indicating that A's belief in winning the match is  $\frac{3}{4}$ , which means that the probability of winning the match is  $\frac{3}{4}$ . In the process of proposed betting method calculation, it is required to meet the corresponding probability calculation formula on the basis of, otherwise there may be the existence of winning or losing regardless of the occurrence of events, resulting in the unfairness of betting. In order to eliminate this unfair phenomenon, it is required that the sum of the occurrence probability of the event and the non-occurrence probability of the event is 1 in order to ensure the fairness of the bet.

### 5.1 Beautify the internal and external environment of the library

In the interior environment, more pleasant decoration can be carried out, and some bonsai and flowers can be placed. The interior decoration of the museum should be more concise and elegant. Materials that meet the requirements of market environment protection should be selected for decoration. High quality floor glue should be used to reduce indoor noise. At the same time, open layout should be adopted to design reading area. In the design of outdoor environment, we should try our best to ensure its ecological, combine the surrounding environment and landscape design, plant some trees around, the design reflects the harmony of natural landscape and human landscape. Z-value early warning is proposed by Edward (1968) as an early warning model to discern the financial status of a firm. The model is as follows:  $Z = 0.012X_1 + 0.014X_2 + 0.033X_3 + 0.006X_4 + 0.999X_5$  where Z is the value of the discriminant function; X1 is the ratio of the working capital to the total assets; X2 is the ratio of retained earnings to the total assets; X3 is the ratio of the EBITDA to the total assets; X4 is the ratio of the total shareholders' equity to the total liabilities; X5 is the ratio of the operating income to total assets. The total of the five indicators reflects the comprehensive score, which reflects the profitability, operating capacity, solvency, Z value judgment criteria:  $Z < 1.8$ , the company's financial crisis situation;  $1.8 \leq Z < 2.99$ , the company's finances are in the gray zone, the finances do not fall into a state of crisis, but there have been hidden dangers;  $Z \geq 2.99$ , the company's financial situation is in a safe and sound state. The smaller the Z value is, the greater the possibility of the company's financial crisis phenomenon. This paper uses Z value analysis method to analyze the financial status of Sunrise Oriental before and after the announcement of Shuaikang Electric's performance failure.

### 5.2 "Greening" people's way of thinking and behavior

With the continuous development of the times, people's life is also gradually digital and information, which puts forward higher requirements and standards for Librarians' knowledge and skills and computer level, and requires librarians to have good professional ethics and ecological ethics at the same time of work, and to protect the ecological construction of ecology by acting [4]. With the increasing development of Chinese society and the intense competition in the enterprise market, mergers and acquisitions (M&A) have become a common maneuver for company expansion. M&A is an important means to integrate advantageous resources, eliminate backward production capacity, enhance core competitiveness as well as to realize the transformation and upgrading of enterprises, and it is one of the effective ways to solve the mismatches on the supply side. The initial intention of Sunrise Orient's acquisition of Shuaikang Electric is to optimize the industrial layout through cross-field mergers and acquisitions, give full play to the synergy effect, and enhance the company's competitiveness and profitability. Sunrise Oriental and Shuaikang Electric signed a performance commitment agreement, but Shuaikang Electric did not complete the performance commitment at the expiration of the commitment period. This paper concludes through event analysis and Z-value warning that Shuaikang Electric's failure to fulfill its promise adversely affects Sunrise Oriental's market performance, but has no significant impact on Sunrise Oriental's financial performance.



In order to reduce the occurrence of performance commitment loss of promise, this paper puts forward the following suggestions: First, improve the performance commitment agreement, increase the performance assessment indicators, Sunrise Oriental and Shuaikang Electric's performance commitment agreement, the assessment indicators are only two indicators of profit and advertising costs, the indicators are too few difficult to comprehensively judge the subject enterprise's operating conditions and development value, lack of a certain degree of flexibility, and the subject party forced by the pressure of performance. It is easy to cause short-sighted behavior, manipulation of financial data to achieve performance goals. Second, strengthen the integration of enterprises after mergers and acquisitions, the later integration process, enterprises should strengthen the corresponding communication, promote mutual understanding and trust, so as to reach a strategic agreement. The acquirer should strengthen the supervision of the subject enterprise's operation and management in order to detect and stop the acquired party's behaviors that are detrimental to the development of the enterprise in a timely manner.

### **5.3 Establish people-oriented service concept**

The service for readers is the key content of library development. The purchase of literature and the design of layout are all around the needs of readers. In the current stage of library development, the service means of science and technology and information technology are more required, and the humanization and personalization of staff service are also needed by readers. The current development goal of library is to realize more humanized and comfortable management and service mode, and realize more convenient service in the process of Library development. Big data technology is an important engine for improving government governance. By analyzing massive tourism data, the government can better understand the social situation, make scientific decisions, improve efficiency and service quality, and promote the improvement of governance level. This article will explore the promotion of government governance by big data from two aspects: motivation and practical challenges, and propose some targeted policy recommendations based on this, aiming to improve the government's governance level in the tourism industry. First, the State and the Government can form different combinations through the scientific design of policy tools, and then continuously improve policies; pilot cities can condense successful experiences and technologies into reproducible and replicable case experiences, and cities can then tailor them to their own development situation and gradually expand the scope of implementation on a national scale.

### **5.4 Control and eliminate information garbage and information pollution**

In the construction of green library network, it is necessary to eliminate the obstacles of document information exchange, effectively eliminate the information garbage and pollution in the network, implement effective filtering, thoroughly purify the network environment, and establish a civilized and healthy website. At the same time, it is necessary to regulate and control the network information reasonably to realize the construction of green network. In the process of library development, it is also necessary to improve the readers' network use skills and morality to avoid illegal and immoral behaviors. How to efficiently govern and promote economic development by the government has become a key issue in the tourism industry. The tourism industry has enormous potential to drive economic mobility and growth[1], and create a large number of job opportunities. However, due to poor governance by local governments, some problems have begun to emerge, such as tourism overcharging, tourism ecological environment, and tourism industry combination, which can have a negative impact on the sustainable development of the tourism economy[2, 3]. The act of tourist slaughter undermines the credibility of the tourism market, causing tourists to lose confidence and thus reducing tourism consumption. The issue of tourism ecological environment affects the tourist experience and satisfaction, resulting in the loss of tourists. The combination of tourism formats limits the development potential of the tourism industry, leading to a single dependence of the tourism economy and increasing economic risks. As a regulatory executing agency, if the government can timely predict risks and make reasonable decisions, and take effective governance measures, it can optimize and promote the development of the industrial economy.

## **6. CONCLUSION**

To sum up, under the current requirements of the times, people's awareness of environmental protection is gradually enhanced, and the construction of green library is also the key way to realize the "people-oriented" green service concept. In the design process, it is necessary to strictly follow the concept of green building to fully realize the maximum role of green library. Based on the panel data of 282 cities in 2013-2020, this paper empirically examines the impact of the construction of national-level big data comprehensive pilot zones on green technological innovation with the pilot policy of "national-level big data comprehensive pilot zones", with the

following conclusions. (1) Comprehensive big data pilot zones can significantly improve green technology innovation, a conclusion that still holds after a series of robustness tests such as the parallel trend test, the placebo test, and the exclusion of other policy effects method. (2) The results of the heterogeneity test show that the construction of the pilot area does not play a significant role in green technology innovation in western cities compared to eastern and central cities.

## ACKNOWLEDGEMENTS

Research on the step integration of green concept into architectural design course teaching reform under the background of new engineering (xjt [2023] No. 291).

## REFERENCES

- [1] Xiao Yiqiang, Liu suijie. Green return to space: Architectural Design of Guangzhou Conghua District Library (phase I and II) [J]. Acta architecture Sinica, 2022, (6): 40-49.
- [2] Shen Yuteng. Application of green building design in library building [J]. Architectural engineering technology and design, 2021, (22): 942-942.
- [3] Zhu Naiwei. Exploration on the combination of space form and green ecology in the architectural design of Nansha library [J]. Low carbon world, 2020, (1): 171-173.
- [4] Kang Qi, Zhang Yue. Analysis of AIA / ala Library Architecture Award [J]. Library forum, 2021, 44 (4): 167-174.
- [5] Li Shuai. Whewell's Inductive "Synthesis": Double Variation of Theory and practice [J]. World Philosophy, 2022(03):142-150.
- [6] Zheng Tianxiang. WANG Kexi. Zhu Xi's Logic in Scientific Discovery and Application of Law -- Refuting the Understanding of Traditional our country Logic in Treatise on our country Nationality [J]. Hongde Journal, 2021(02):104-114.
- [7] li nana. On subjective interpretation of probability in inductive logic [J]. Journal of jimusi vocational college, 2020, 36(05):68-69+71.
- [8] Rotter. J. B. A new scale for the measurement of interpersonal trust. Journal of Personality, 1967, 35:651-655.
- [9] Yang Zhongfang, Peng Siqing. Conceptualization of interpersonal trust: a view of interpersonal relationship [J]. Sociological Studies, 1999, (2).
- [10] Wei Yaoyang. Factors and Countermeasures. Journal of Huanggang Second Normal College, 2008, 25(9) 47-50.
- [11] Ann Lijuan, Cong. A Review of the Security Study [J]. Behavioral Medicine Science, 2003, 12(6):2.
- [12] In the [5] cluster, Ann Lijuan. Preliminary preparation, reliability and validity test of the security scale [J]. Journal of Mental Health, 2004, 18(2):97-99.
- [13] Meng Haiying, Wang Yanzhi, Feng Chao. Analysis of the related factors of psychological security among college students [J]. Tissue Engineering Research and Clinical Rehabilitation in China, 2007, 11(39):7880-7883.
- [14] Sun Siyu, Wu Qiong, Wang Hailan, etc. A Study on the Security Sense of College Students in Tianjin [J]. Journal of Health Psychology, 2009, 17(3):304-306.
- [15] Yang Jie, Wang Donghua. Research on the relationship between psychological security and personality [J]. 2009, 23(3):300-302.
- [16] Sun Qun, Yao Benxian. Research on Security, interpersonal trust and its relationship among College Students [J]. Health Soft Science, 2009, 23(3):290-293.
- [17] Jian Jia, Tang Maoqin. Interpersonal trust scale was used for the reliability validity study of College Students [J]. Journal of Behavioral Medicine and Brain Science, 2010, 19(01):89-90.
- [18] Pattyn E ,Rajendran, Dévan. Anatomical landmark position - Can we trust what we see? Results from an online reliability and validity study of osteopaths[J]. Manual Therapy, 2014, 19(2):158-164. DOI:10.1016/j.math.2013.10.002.
- [19] Din L , Korkmaz F , Karabulut E .A Validity and Reliability Study of the Multidimensional Trust in Health-Care Systems Scale in a Turkish Patient Population[J]. Social Indicators Research, 2013, 113(1):107-120. DOI:10.1007/s11205-012-0084-y.
- [20] Kumar V K , Rehill K B , Treadwell T W , et al. The Effects of Disguising Scale Purpose on Reliability and Validity.[J]. Measurement and Evaluation in Counseling and Development, 1986, 18(4):163-167. DOI:10.1080/07481756.1986.12022807.

- [21] Chu M W , Guo Q , Leighton J P .Students' interpersonal trust and attitudes towards standardised tests: exploring affective variables related to student assessment[J].*Assessment in Education Principles Policy & Practice*, 2014, 21(2):167-192.DOI:10.1080/0969594X.2013.844094.
- [22] Usta E .Virtual environment interpersonal trust scale validity and reliability study[J].*Turkish Online Journal of Educational Technology*, 2012, 11(3):393-402.DOI:10.1017/S0265051712000150.
- [23] Horii T , Tsuchiya E .A study of the relationship between the earliest recollection and interpersonal trust[J].*The Japanese Journal of Personality*, 1995, 3(1):27-36.DOI:10.2132/jppjpp.3.1\_27.
- [24] Zi-Jun T .A study of the optimal scales of professional sports leagues from the perspective of the antitrust law[J].*Journal of Physical Education*, 2012.