

Cloud-based Overall Design of Sculptural Public Art in Commercial Neighborhoods

Ning Liu^{1,*} and Xin Zhong¹

¹Anhui Jianzhu University, Hefei, 230031, Anhui, China

Abstract

INTRODUCTION: The shopping street has become the center of economic activities in the city. It is the most popular place in the city, the soul of the shopping street, the reflection of history, culture, folklore, geographical features, and even the city. With the rapid development of the commercial environment, the landscape sculpture on the shopping street is also developing rapidly, and its share in the city construction is getting bigger and bigger. Landscape sculpture is the key to the whole shopping street, so it is vital to study the design of sculpture public art in commercial neighborhoods.

OBJECTIVES: The study of commercial neighborhood sculpture public art through the method of cloud computing in order to improve the overall design level of China's commercial neighborhood sculpture public art, to improve the integration of the development of China's architecture and fine arts field, and secondly, the overall design study of commercial neighborhood sculpture public art can also better improve the overall development of China's tourism industry, and to promote the further enhancement of tourism art.

METHODS: The related commercial and commercial street sculpture theory is discussed. Secondly, the computer technology of cloud computing is further applied in the research of the overall design of the sculpture public art in the commercial street area in order to enhance the informatization level of the overall design of the sculpture public art in the commercial street area, to better adapt to the development of the Internet era. Lastly, the data related to the tourists is calculated using big data technology.

RESULTS: Significant in studying shopping street landscape sculpture. Starting from the research and interpretation theory of small and medium-sized shopping street sculpture, it analyzes the positioning and development of Shaanxi's shopping street sculpture. The purpose is to synthesize the aesthetic characteristics of some commercial street landscape sculptures in Shaanxi Province. Then, the design principles and artistic values of small and medium commercial streetscape sculptures are summarized. In addition, problems and suggestions for optimizing commercial streetscape sculpture in Shaanxi Province and the future development strategy of commercial streetscape sculpture in China are also discussed.

CONCLUSION: Cloud computing and other computer technologies can better enhance the overall design level of commercial streetscape sculpture public art and promote the combination of fine arts and construction industry and the development of tourism.

Keywords: cloud computing, shopping street, sculpture, public art

Received on 21 March 2023, accepted on 12 August 2023, published on 28 August 2023

Copyright © 2023 Liu *et al.*, licensed to EAI. This open-access article is distributed under the terms of the [CC BY-NC-SA 4.0](https://creativecommons.org/licenses/by-nc-sa/4.0/), which permits copying, redistributing, remixing, transforming, and building upon the material in any medium so long as the original work is properly cited.

doi: 10.4108/eetsis.3929

*Corresponding Author. Email: llnn5460@ahjzu.edu.cn

1. Introduction

Since China's reform and opening up, productivity has increased, technology has advanced, and economic

performance has improved significantly in most regions. People's lives are becoming more affluent, and the quality of life needs to be improved, which is why public art is essential—commercial street landscape sculpture is a

form of public art. Commercial street environment and commercial street architecture together decorated with beautiful and diverse shopping street landscape sculpture have a strong visual effect, good brand effect, and a solid artistic and cultural atmosphere, for the rapid development of shopping street landscape sculpture provides a solid foundation (Garcia-Hernandez et al., 2022). In the commercial image design in the commercial environment, the shopping street landscape sculpture plays a vital role in improving the accessibility of the shopping street. Commercial street landscape sculpture should not only be designed with unique expression and independent cultural knowledge but also attract consumers' attention and enhance the brand influence of commercial street landscape sculpture. In addition to commercial street sculptures, they have their artistic characteristics. Various novels and sculptures on commercial streets create a specific visual atmosphere of commercial landscape and environment (Athukorala et al., 2021). As an illustration, one can observe the customary style of living in Chang'an, a region in Shaanxi Province, alongside the landscape sculpture dialect found on the commercial strip inside the same province. Ostoskatu street sculpture, with its unique art and commercial development, unintentionally creates a new way of life for people.

It is undoubtedly one of the studies in developing landscape sculptures for shopping streets. Shopping street landscape sculpture commercialized with its unique artistic expression is the soul of shopping street landscape culture (Hewidy & Lilius, 2022). This paper takes Shaanxi Province shopping street sculpture as the research object, systematically and comprehensively analyzes and researches various elements, puts forward the design principles of small and medium-sized shopping street sculpture, summarizes the essential artistic value of shopping street sculpture, understands the future development strategy of China's shopping street sculpture, provides a benchmark for the development of shopping street sculpture, and pushes forward the development of China's shopping street sculpture.

The number of shopping streets in small and medium-sized enterprises continues to grow as commodities develop, people's living standards rise, and city public space shrinks. Shopping streets are an essential vehicle for economic and cultural activities in the region, reflecting the city's development and changes in the city's general social, material, and spiritual civilization. The development of social art is crucial. Shopping street landscape sculpture is a public sculpture, an essential form of urban art, and a branch of public sculpture. The study of commercial urban landscape sculpture promotes the harmonious development of urban public art. The development of the sculpture itself is crucial. It is essential that the shopping street landscape sculpture conveys the culture of the shopping street and enhances the image of the shopping street. The development of shopping streets is imminent. People need a high-quality

art shopping environment, not just a place for consumption.

Nowadays, public art has attracted significant attention from all sides. Economic development and the increase in people's knowledge and standard of living are prerequisites for the development of public art, making it a new field in sociology (Rao & Pafka, 2021). Public art is quite broad, referring to public environments that create spatial art, such as sculptures, landscapes, objects, and service objects. Sculpture has developed rapidly in urban public art. Since the 1980s, Chinese researchers have used "urban sculpture." The study of urban sculpture began with "urban sculpture." It is widely used as "outdoor sculpture," its effect is even more significant, not limited to cities. It is placed in the vision of all perfect sculptures. China has also cooperated with several foreign universities, and domestic researchers have gone abroad to fill the gap in the development of landscape sculpture in China. The traditional way of artistic expression still needs to be revised or abandoned. There are many replicas and imitations of sculptures, seeing their commercial nature and considering them not as works of art but as "replicas," in which case the effect of landscape sculpture is insignificant and lacks cultural heritage and artistic atmosphere. However, with the development of time and the development of the sculpture industry in China, many successful commercial street sculptures create a favorable business environment. The engaging, commercial, artistic, and cultural content of these sculptures is left behind by tourists and artists worldwide (Barr et al., 2021). This successful display is the basis for the study of commercial cityscape sculpture.

2. Background of the study

There are four corridors on the road. It is a well-developed, functional street with public transportation on both sides of the surrounding buildings; in short, the boundaries of the buildings on both sides of the road differ from those on either side (Cerrone et al., 2021). The chronicle of great history says, "The noise of the world is all about profit, and the noise of the world is all about profit. Cities grow from their original streets and eventually become a city of some size. As the city grew, transportation contributed to the formation and development of trade in many areas. Before the Industrial Revolution, the primary means of transportation on the streets were crafts, and the streets were one of the most critical transportation modes. Lines charming, humanized places. People shopped, entertained, followed, and rested on these company streets. However, street style remained only in the most superficial sense. The shopping street fulfills the needs of the people, relieves their basic needs for clothes and food, and rapidly raises the level of society by encouraging each other.

From the first stretch of the road to the shopping street parking lot, modern life has developed transportation methods, and road traffic is changing rapidly. Different

roads play a role in trade and transportation and are increasingly becoming the center of humanity (P. E. J. A. et al., 2021). In ancient times, markets were markets. Markets were a traditional trade organization established by Chinese farmers during the Renaissance. People entered the marketplace to conduct a transaction called a "drive market." During the state controlled the Qin and Han Dynasties, markets and the government built "cities" in some places. The market had a gate that opened and closed at certain times, so trading outside the market was limited. The gate was accessible at certain times. Market buildings, municipal galleries, and exhibition halls were customized for market management. In order to facilitate trade, a variety of products are carefully presented in the market in addition to those sold in the market, and a warehouse area for products called "trade" has been created. The government closely monitored other matters which administered and publicized the relevant laws. The rapid development of commercial streets in the Song Dynasty influenced the "workshop system," and the products became increasingly efficient (Balasubramanian et al., 2022). Different kinds of stores were developing, increasing the number of streets, markets, and temple markets. The commercial street had become an essential place for people's production and life and became increasingly prosperous. The design of the earliest commercial street in the Northern Song Dynasty is shown in Figure 1.

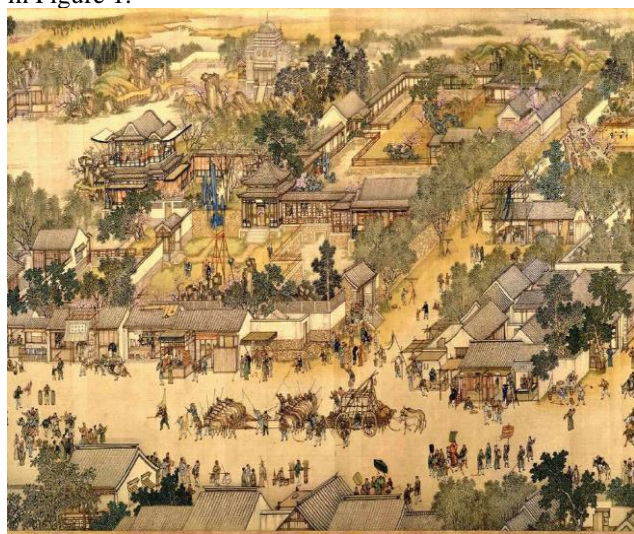


Figure 1 Design of the earliest commercial street in the Northern Song Dynasty ("Qingming Shanghe Tu")

With the industrial revolution, accelerated industrialization, and the development of transportation, city streets have changed dramatically. Historic shopping streets declined, and high-rise buildings have traces of history as commercial activities were concentrated on significant streets and shopping streets. Since the opening of the commercial street renovation, construction has grown year by year. With the rapid development of housing, it is necessary to rehabilitate and construct old shopping streets to alleviate social conflicts (Jiang et al., 2021). For example, with the development of society after the 1980s, the European shopping street model was

gradually repeated in China, and the traditional shopping street began to develop rationally. With the improvement of people's living standards and economic level, shopping streets have gone from prosperity to decline in social history. In short, the development of society, cities, shopping streets, and people's lives and production requires that the development of shopping streets be viewed from the development perspective.

With the development of modern cities and the increasing number of urban residents, more and more small and medium-sized commercial streets are meeting people's daily needs. As people approach life, the quality of small and medium-sized shopping streets directly affects their living conditions. China's trade development has shifted from traditional to street competition (Sung, 2022). Small and medium-sized shopping streets are lively commercial public squares in cities, mainly in busy neighborhoods. They are an essential part of the city's public space, shopping, leisure, and entertainment venues, some of which determine the rise and fall of the city's economy. In recent years, with the development of shopping streets in China, the general appearance and commercial status of small and medium-sized urban shopping streets have received increasing attention from various industries (Y. P. A. et al., 2021). They are widely distributed, and numerous, and their flexible forms of governance have become engines of urban economic growth. The three significant segments of shopping streets are analyzed, as shown in Figure 2.

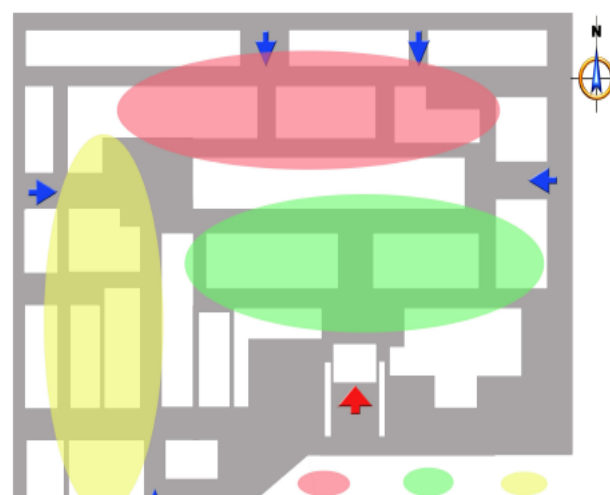


Figure 2 Analysis of the three main segments of the commercial street

3. Research methodology

3.1 Relevant theories of sculpture art

Landscape sculpture is an integral part of landscape art, representing a country or city's historical and cultural heritage and some social knowledge at that time. Since the 20th century, in the new social environment, people's thinking is more and more accessible, and landscape sculpture is more and more interesting (Eisenstein, 2022). Mountain sculpture is one of the traditional plastic arts

with a strong sense of the times. Landscape sculpture continues the historical civilization and presents impressive art and paintings. Mountain sculpture is an expression of ancient and modern human culture. It has unique artistic styles of different times and countries, enriching people's spiritual life. Mountain sculpture has gradually changed, enriched humanity's spiritual civilization, and satisfied human culture's artistic needs. It has made significant progress in expression, material, and cultural content. In ancient Rome, landscape sculpture mainly carried the religious forms needed for the empire to control the human mind and realize the powerful unity of the empire, with great practical value, most of which were magnificent religious sculptures (Ma et al., 2021). In the Byzantine period, it became a wall sculpture. In the sculptures of this era, religious beliefs were expressed in a sacred and magnificent way. During the Renaissance, the human soul was liberated to a certain extent, and the quality of the mountain sculpture gradually became more realistic and was praised by great men. The development of science and technology also led to the development of materials; various new materials came to humanity, greatly enriching the sculpture of the material space options. The design pays more attention to the influence of factors such as environment, spatial characteristics, and human nature. At the same time, with the birth of new forms of performing arts, land arts, and public arts, the concept of sculpture has become universal and infinite. The design of the ancient Huizhou commercial street is shown in Figure 3.



Figure 3 Ancient Huizhou commercial street design

3.2 Characteristics of Commercial Street Sculpture

Shopping street landscape sculpture is a part of urban art sculpture. Around the commercial space, through the processing and use of various materials to decorate the shopping street's overall environment, create a sense of cheerful consumption and a three-dimensional spatial form.

The development of commercial street sculpture depends on the development of cities, shopping streets, and sculptures (Pisani, 2021). Classical landscape sculpture serves the ruling class with its symbolic form, and its decorative and aesthetic functions are subordinate to sculpture. With the company's development, the streetscape commercial sculpture took on new connotations, and its artistic characteristics changed from individualization to diversification. The city's shopping street is a public place where visitors can shop, rest, entertain, and dine. Public landscape sculptures located in the public space of the shopping street are an integral part of the public space of the shopping street. As the shopping street operation continues to update and expand, the public space on the shopping street takes on different functions and forms. The public art landscape sculpture on the shopping street is getting more and more attention from enterprises and consumers. It not only emphasizes the creator's will but also expresses the art and represents the public's will according to the environment of the shopping street.

Landscape sculpture for commercial streets emphasizes combining the shopping street context and the sculpture itself. Integrity is commercial cities' fundamental principle of landscape sculpture (Rotherham, 2021). Landscape sculpture on a commercial street is closely related to its surroundings. The success of landscape sculpture depends mainly on the overall integration of the sculpture with the environment. Before designing the shopping street landscape sculpture, it is necessary to start from the general nature of the street and consider its relationship with the environment. From large urban buildings to ordinary buildings to small cranes, it is necessary to take the street business environment's size, relationship, style, and characteristics as a prerequisite for commercial cityscape sculpture and then determine the sculpture's size, style, and material. Magnificent commercial cityscape sculpture is also located near commercial places. Its unique artistic charm is integrated into the historical and cultural background of the shopping street, forming a natural and invisible interaction with the commercial environment of the street. The flank of this shopping street gently releases the historical and cultural light of the shopping street. The design plan of the two-story shopping street in the style of the Republic of China is shown in Figure 4.



Figure 4 Design of a two-story commercial street in the style of the Republic of China

Two shopping streets look different, just as no magazine looks the same. As society evolves, each city has its own geographic and cultural identity on a historical scale. Landscape sculptures on shopping streets are an essential way to highlight geographic features. When designing landscape sculptures for shopping streets, the geographic nature of the street should be prioritized. Landscape sculpture for shopping streets must be based on several factors, such as theme, style, material, or the city's 'calling card'. The shift from the geography of the shopping street and the city to the culture indicates the local cultural identity. The geographical nature of art is at the heart of a "stronger national identity, a stronger global identity". Modern urban development aims to highlight the character of the city. Geography is the main symbol reflecting the city and is the source of the presentation and design of landscape sculpture on the shopping street. The landscape sculpture on the shopping street is the "eyes of the shopping street." Its style and charm are fully expressed, and its personality is reflected. It reflects the geographic characteristics of the shopping street, and its unique geographic characteristics are priceless and unique. Participation and interaction are crucial in everyday life. Landscape sculptures on shopping streets vividly depict the history of the inhabitants, the culture of shopping, and the complex history of social life. Landscape sculptures on Ostoskatu are in the commercial, public space of the shopping street and are part of the shopping street. The commercial street sculpture's purpose is to beautify the environment and include broader functions such as branding, visual guidance, and improvement of the shopping street. It considers consumers' spiritual and material needs and emphasizes human spiritual and material interaction.

3.3 Cloud Computing Technology

Big data storage technology is vital in exchanging and managing information content. First, studying the storage models of mainframe computers makes it possible to

understand the benefits of applications and the value of distributed systems (Tao et al., 2021). Data storage also requires a more detailed understanding of the different system files to search specific information more closely in a distributed environment. Distributed vital systems are also a common approach to data storage in large data storage models. It also provides good guidance and support for efficiently storing information content in a comprehensive, more institutionalized work environment (Rabbani et al., 2021). It is also a more standard approach to shared caching. There are also distributed spreadsheet systems, distributed databases, and other elements used to store data.

Cloud computing is an essential service that can be freely deployed into network resources in real-world workflows, providing users with more accessible access to data and data content. Cloud platforms and cloud services are the two most important concepts in the development of cloud computing. Cloud platforms focus on efficient resource management and network-level resource scaling, while cloud services focus more on abstract infrastructure management (Zhou et al., 2021). The effective combination of these two approaches also provides more explicit guidance and support for managing existing network data's benefits and added value. The classification of cloud computing can also be designed primarily based on its diverse characteristics. It can be categorized into various cloud service management that provides sound guidance and assistance in creating information content. It will also help categorize and manage data and data analytics infrastructure and, to a large extent, lay the foundation for efficient future infrastructure development. The cloud computing model is as follows:

$$FP = \alpha + \beta_1 DIG + \beta_2 control + \varepsilon \quad (1)$$

In Equation (1), CONTROL controls the control variable; the last term ε is the random disturbance term.

$$GP = \alpha + \beta_1 DIG + \beta_2 \sum control + \varepsilon \quad (2)$$

In Equation (2), GP is a simulation analysis of cloud computing paths, in which control is summed to improve the accuracy of estimating the β coefficients.

$$DC = \alpha + \beta_1 DIG + \beta_2 \sum control + \varepsilon \quad (3)$$

In Equation (3), DC is the computation of the shortest distance between distances, where the convenience of the path is summed over control.

$$MIA = \beta_1 ir + \beta_2 m + \beta_3 npm + \chi_1 cat + \chi_2 tat + \varepsilon \quad (4)$$

In Equation (4), the MIA is an assessment of the comprehensive integration capabilities of cloud computing, considering five variables and taking into account a random error term.

$$MDA = \alpha_1 ir + \alpha_2 om + \mu \quad (5)$$

In Equation (5), which examines the cloud driving capability, only two variables are considered, along with random errors.

With the development and growth of the modern Internet information technology industry, modern enterprises in China are gradually showing new trends. The rational use of artificial intelligence has contributed significantly to the production and lifestyle of society. In the specific cloud environment, it is necessary to strengthen the research on all aspects of robotics to create a favorable environment for social development. Only a more comprehensive and effective combination of computer technology and artificial intelligence can work well in some regions of artificial intelligence and understand the benefits and value of applying new technological tools. Robotics production and research are also supported and enabled by cloud services, which allow people to work more accurately and concretely in online environments and better guide and support the overall development of the Internet information industry (Guo et al., 2021). In detailed robotics research and analysis, chips are at the heart of robotics research and development, and skilled technicians are dedicated to effectively utilizing cloud computing to build better cloud platforms. More detailed operating instructions also allow people to control and analyze the actual work of the robot effectively.

Extensive data efficiency analysis can provide more practical guidance and support for the sustainable development of China's network information industry. Bottom-up employees must also conduct in-depth research and analysis from different perspectives when applying certain big data technologies. Using keywords to search for specific content is a relatively simple and convenient way to use big data technologies (Iqbal et al., 2022). Today, with the growth and development of the internet information industry, there has been a direct change in how people live. When specific data is stored and shared, it is usually stored on different hard disks, which makes it challenging to find the exact data in the future. In order to improve this situation, there is also a need to constantly increase the use of keyword search technology through the effective management of online information technology. Only then will citizens fully realize the benefits of the Internet sector regarding access to certain information and messages.

4. Results and discussion

4.1 Principles of public art design for sculpture in commercial neighborhoods

The human principle of responding to people's needs and creating comfortable, cozy, and friendly places for their activities is the goal of modern urban planning. The creation of shopping street landscape sculpture is appreciated by tourists and consumers and influenced by the emotional interaction and communication between landscape sculpture and people. Shopping street landscape sculpture influences people's artistic perception and aesthetics with its unique charm and appeal (Li et al., 2023). In today's world, everyone is equal, and the purpose of sculpture is to serve everyone, not to serve the

ruling class. Modern sculpture serves society, decorates life, and enriches the commercial space. Due to the characteristics of small and medium-sized shopping streets, such as small shopping areas and flexible business models, landscape sculpture aims to assess consumers and draw attention to people's interaction and intellectual enjoyment. Art and love are the same and have no limits. All beautiful commercial landscape sculptures can be integrated with different social classes and cultural environments. This reassuring concept allows consumers to obtain the characteristics and connotations of the shopping street expressed in the landscape sculpture, enhances people's aesthetic ability, nourishes their souls in the presence of the sculpture's vivid and rich connotations, and stimulates their desire to buy. The place of origin of tourists is shown in Figure 5.

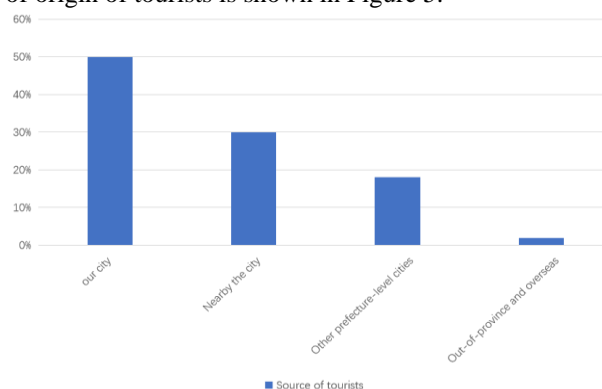


Figure 5 Place of origin of tourists

Small and medium-sized commercial street landscape sculpture space has a public nature, and there are limitations and differences with other public spaces. The area of small and medium-sized commercial streets is much smaller than the area of urban public space. The limited commercial space must be fully and properly utilized. The landscape sculpture of small and medium-sized commercial streets must be compatible with the entire spatial environment of the commercial street, and the layout must be appropriate and reasonable. The landscape sculpture of small streets and alleys is the "eye-catching pen" of the whole shopping street construction. Design and construction should give full consideration to the overall coordination of the shopping street and the urban environment, overall consideration of the specific scope of the shopping street, create a reasonable layout, create a particular spatial relationship between the floor plan and elevation of the sculpture has a certain sense of hierarchy and visual significance. Taking into account, among other things, the scope of business, working methods, and products, D. The characteristics of the whole small and medium-sized shopping street and the environment in which the shopping street is located are stylistically unified and are only suitable for the relationship between the different parts, the parts, and the whole, to make it an excellent work of art.

Placing commercial street sculptures in a commercial environment belongs to the category of public art: the public belongs to ordinary people, and privacy always

affects the public mood and people's psychological lives. The commercial side of street production determines the openness of street sculpture. The public's concern for participation and involvement reflects the desire for equal communication and survival. In China, commercial cityscape sculpture is an essential form of urban art and a branch of urban sculpture. The constant influx of people into commercial spaces and class uncertainty reflect common themes among people in different countries and regions. Viewers can cross national boundaries and language barriers to create artistic resonance and a harmonious atmosphere of communication. Therefore, a landscape sculpture placed in a public space is not an independent work of art (Ingrao et al., 2021). It must interact with the public so that the public can participate, recognize, and respond to the aesthetic needs of society in the realm of public art. Therefore, the design incorporates the characteristics of its artistic style, reflecting the city's historical and cultural characteristics, customs, urban tastes, regional cultural characteristics, and other factors, and integrates them into the shopping street to allow viewers to enter fully—Commercial Street visitor qualifications, as shown in Figure 6.

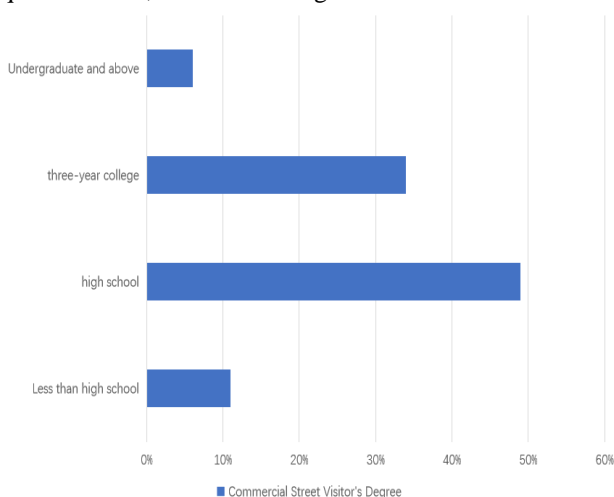


Figure 6 Commercial Street Visitor Qualifications

Environmental protection and sustainable development are the inevitable result of the development of modern society, which emphasizes the harmonious relationship between man and nature. Environmental protection and sustainable development are based on a comprehensive understanding of man and the environment, man and nature in people's minds. Given the harmonious development of environmental protection, a long-term development plan for sculpture should be formulated to avoid human pollution, minimize the consumption of non-renewable raw materials, and minimize the possibility of environmental pollution—social and environmental benefits. Regardless of the environment's material, shape, and harmony, environmental protection and sustainable development principles must be adhered to, creating a comfortable and beautiful environment (Worthy et al., 2021). The goal of a harmonious and sustainable road environment is to live in harmony with nature, taking into

account both the present and the future. An environmentally friendly and sustainable road business environment is an oasis covering the city's concrete surface, which is what society wants. Such a business environment reduces people's stress and allows them to get closer to nature and find spiritual solace. Innovation is the fresh blood of design and the source of new values. With the development of the sculpture industry, streetscape commercial sculpture has continuously adopted several outstanding art genres and unique art forms to enrich its natural design spirit. Small and medium-sized shopping streets are the most dynamic places in densely populated cities with busy schedules and are unsafe for tourists. When designing landscape sculptures for shopping streets, avoid imitating individual shapes and forms, reflect the overall harmony and unity of the environment, and create unique, dynamic, personalized, and distinctive landscape sculptures to match the visual and mental pleasure of different consumers. Avoid mechanical repetition and stereotypes to create a comfortable and innovative urban environment. The sculpture brings a shopping street landscape from life, beyond life, making the shopping street image become "fine" and "fine."

4.2 The artistic value of commercial neighborhood sculpture public art

Big data storage technology is vital in exchanging and managing information content. First, studying the storage models of mainframe computers makes it possible to understand the benefits of applications and the value of distributed systems. Data storage also requires a more detailed understanding of the different system files to search specific information more closely in a distributed environment. Distributed vital systems are also a common approach to data storage in large data storage models. It also provides good guidance and support for efficient storage of information content in a comprehensive, more institutionalized work environment. It is also a more standard approach to shared caching. There are also distributed spreadsheet systems, distributed databases, and other elements used to store data. Therefore, it is necessary to utilize big data technology to enhance the artistic value of sculptural public art in commercial neighborhoods.

Landscape sculpture interprets its history and the history of the shopping street in a unique artistic image. It places it in the appropriate location in small and medium-sized shopping streets. Landscape sculpture decorates the shopping street with its artistic language and enriches the artistic image, activity, and connotation of the shopping street. Due to the characteristics of small and medium-sized shopping streets, such as small shopping streets and various management methods, it is desirable to design sufficient landscape sculptures to enhance the vitality of small and medium-sized shopping streets, increase interest in small and medium-sized shopping streets, and

add humanistic romanticism to them. Expanding people's mental behavior and perception improves their understanding and memory of the shape of the shopping street. Cloud computing is an essential service that can be freely deployed into network resources in real-world workflows and provides users with easier access to data and data content. Cloud platforms and cloud services are two of the most essential concepts in the development of cloud computing. Cloud platforms focus on efficient resource management and network-level resource scaling, while cloud services focus more on abstract infrastructure management. The effective combination of these two approaches also provides more explicit guidance and support for managing existing network data's benefits and added value. The classification of cloud computing can also be designed primarily based on its diverse characteristics. It can be categorized into various cloud service management that provides sound guidance and assistance in creating information content. It will also help in categorizing and managing data and data analytics infrastructures and, to a large extent, lay the foundation for efficient infrastructure development in the future. Therefore, applying cloud computing in the cultural landscape can better enhance the integration of China's construction and fine arts industries and drive the tourism industry's development.

A cultural landscape, also known as a cultural landscape, is a cultural landscape that is a pristine ecological natural landscape formed under special historical conditions. The landscape sculpture on Ostoskatu is a beautiful and unique cultural landscape on a shopping street whose mission is to perpetuate the area's history, highlight the local humanities, and continue the traditions of the local culture. A genuinely artistic eco-sculpture has a lasting and timeless significance if created as a continually materialized national culture. In this respect, the cultural accumulation of eco-sculpture is unrivaled among other cultural models. It is not only a shop but also an ideal place to fulfill consumer and spiritual needs, possessing more human material desires and spiritual products than in its youth. However, other fascinating children's sculptures leave a lasting impression. Landscape sculpture contributes to the development of the cultural landscape. Ostoskatu Landscape sculpture is a form of public art on shopping streets that plays a vital role in improving the quality of the public environment and the human spirit of the city. The artistic language of commercial street sculpture has gradually accumulated over time: it is the unique personality of the region and even the nation, interpreting the region's history and vividly demonstrating its distinctive style and charm. Through the art of sculpture in Ostoskatu, it is possible to see the historical and cultural knowledge of the shopping street and understand its meaning and essence. Landscape sculpture on Ostoskatu is a popular art of living and plays an immeasurable role in the image design of the shopping street and cultural environment. The main activities and objects of interest for tourists inside and outside the city are shown in Figure 7.

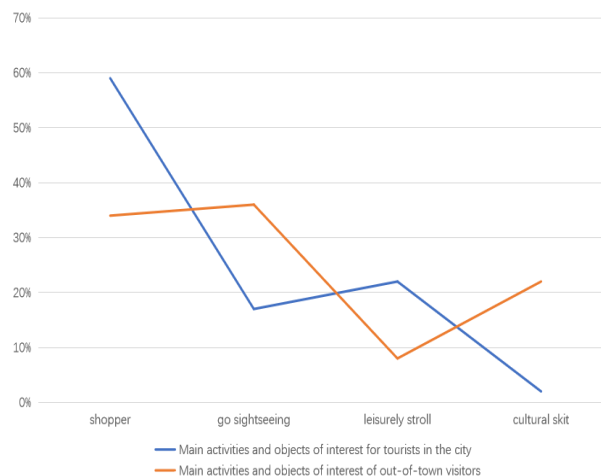


Figure 7 Main activities and objects of interest of visitors from inside and outside the city

Successful public sculpture has a unique and authentic spirit corresponding to different levels and common aesthetic values. It is the unity of harmony, authenticity, beauty, and perfection. The public space of small and medium-sized shopping streets is minimal. The landscape sculpture on the shopping street reflects the innovation and extension of corporate culture. Kauppakatu landscape sculpture perfectly interprets the spiritual civilization of the whole shopping street. It shows the significance and elegance of the shopping street. It reflects the cultural connotation and taste of the commercial space, as well as the beliefs and aspirations of people in different times. The sculpture in public, commercial space expresses the common desire of people in the field of ideals and ideology, the artistic charm of Ostoskatu landscape sculpture satisfies the viewers' spiritual needs, and the shopping street environment creates a tremendous spiritual fusion and interaction.

Landscape sculptures must consider different factors in the environment of small and medium-sized commercial streets. Scale, foot traffic, environment, and transportation must be considered when landscaping the commercial environment and improving the atmosphere. The construction of public sculpture is an integral part of the overall shopping street business environment. Kauppakatu landscape sculpture is a material tool to promote buyers, introduce services, promote brand culture, and enhance the business image. Public art design's presence and importance are felt when traveling or attending daily social events when help is needed to cover, restore, and protect spaces or various transportation systems or guided tours. Landscape sculpture attracts the eye, enhances the environment in commercial spaces, and improves the quality of corporate culture. The company creates vitality through various advertising methods, focusing on company culture and reinforcing the logo image.

As a commercial symbol, Streetscape commercial sculpture runs through the whole commercial space and witnesses the history and development of the shopping street. It conveys people's messages in a calm, artistic language, and urban shopping has replaced crowds and

public transportation. Cities make full use of small and medium-sized commercial streets, and the artistic atmosphere can bring tremendous joy and delight to people. Protecting the shopping street and the city's historical sites through artistic means, improving people's artistic skills, and improving the environment of the shopping street play an important role. Tourist gathering places, as shown in Figure 8.

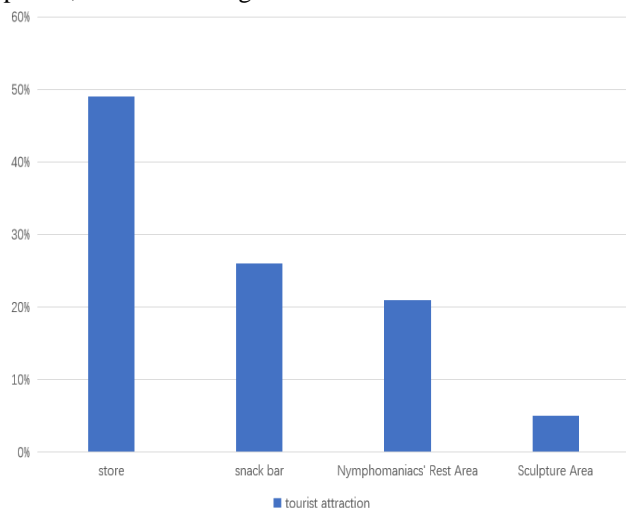


Figure 8 Visitor Gathering Sites

5. Conclusion

The categorization of cloud computing can also be designed primarily based on its diverse characteristics. It can be categorized into various cloud service management that provide sound guidance and help create information content. It will also help in categorizing and managing data and data analytics infrastructure and, to a large extent, lay the foundation for efficient infrastructure development in the future. With the development of social commodities, the shopping street has become the center of economic activity in the city. It is the most popular place in the city, the soul of the shopping street, and a reflection of history, culture, folklore, geographic features, and even the city. With the rapid development of the commercial environment, the landscape sculpture on the shopping street is also developing rapidly and has a bigger and bigger share in the city construction. Landscape sculpture is the key to the whole shopping street. This paper has an essential significance in studying shopping street landscape sculpture. Shaanxi shopping street sculpture starts from the research and interpretation theory of small and medium shopping street sculpture and analyzes the positioning and development of Shaanxi shopping street carving. The aesthetic characteristics of some commercial street landscape sculptures in Shaanxi Province are synthesized. Then, it summarizes the design principles and artistic value of small and medium commercial streetscape sculpture. In addition, problems and suggestions for optimizing commercial streetscape sculpture in Shaanxi Province and the future development

strategy of commercial streetscape sculpture in China are also discussed.

6. Acknowledgements

This work is supported by Anhui Provincial Natural Science Research Project of Universities and Colleges "Research on the Reconstruction Technology of Ancient Huizhou Carving Based on Digitalization" No.: KJ2021JD03.

References

- [1] A. P. E. J., B. A. M., & C. M. F. Local regularity result for an optimal transportation problem with rough measures in the plane. *Journal of Functional Analysis*, (2021). 33(34), 14–30.
- [2] A. Y. P., A. Z. G., B. R. B., C. J. S., & A. W. D. Urban ventilation of typical residential streets and impact of building form variation—ScienceDirect. *Sustainable Cities and Society*, (2021). 133(120), 56–63.
- [3] Athukorala, D., Estoque, R. C., Murayama, Y., & Matsushita, B. Ecosystem Services Monitoring in the Muthurajawela Marsh and Negombo Lagoon, Sri Lanka, for Sustainable Landscape Planning. *Sustainability*, (2021). 13(11), 136. <https://doi.org/10.3390/su132011463>
- [4] Balasubramanian, S., Irulappan, C., & Critchley, J. Aesthetics of urban commercial streets from the perspective of cognitive memory and user behavior in urban environments. *Frontiers of Architectural Research*, (2022). 11(5), 949–962. <https://doi.org/10.1016/j.foar.2022.03.003>
- [5] Barr, S., Lampkin, S., Dawkins, L., & Williamson, D. Shared space: Negotiating sites of (un)sustainable mobility. *Geoforum*, (2021). 127(100), 283–292. <https://doi.org/10.1016/j.geoforum.2021.11.012>
- [6] Cerrone, C., Cerulli, R., & Sciomachen, A. Grocery distribution plans in urban networks with street crossing penalties. *Networks*, (2021). 144(101), 133–140. <https://doi.org/10.1002/net.22061>
- [7] Eisenstein, W. Eco-revelatory design and the values of the residential landscape /. (2022). 332(244), 156–161.
- [8] Garcia-Hernandez, C., Ruiz-Fernandez, J., & Rodriguez-Gutierrez, F. Geographical indications in cheese mountain areas: Opportunity or threat to landscape and environmental conservation? The case of Cabrales (Spain). *Applied Geography*, (2022). 23(11), 67–77. <https://doi.org/10.1016/j.apgeog.2022.102753>
- [9] Guo, T., Sriram, S., & Manchanda, P. The Effect of Information Disclosure on Industry Payments to Physicians. *Journal of Marketing Research*, (2021). 58(1), 115–140. <https://doi.org/10.1177/0022243720972106>
- [10] Hewidy, H., & Lilius, J. The death and life of Malmi neighborhood shopping street: Is ethnic retail a catalyst for public life recovery in Helsinki? *European Planning Studies*, (2022). 30(24), 13–20. <https://doi.org/10.1080/09654313.2021.1956433>

- [11] Ingrao, C., Evola, R. S., Cantore, P., Bernardi, P. D., & Beltramo, R. The contribution of sensor-based equipment to life cycle assessment through improving data collection in the industry. *Environmental Impact Assessment Review*, (2021). 88(2), 106569. (2021). 119(4), 044104-.
<https://doi.org/10.1063/5.0051132>
- [12] Iqbal, A. M., Kulathuramaiyer, N., Khan, A. S., Abdullah, J., & Khan, M. A. Intellectual Capital: A System Thinking Analysis in Revamping the Exchanging Information in University-Industry Research Collaboration. *Sustainability*, (2022). 14, 3-.
<https://doi.org/10.3390/su14116404>
- [13] Jiang, X., Li, J., & Yang, B. Luminance and saliency impact pedestrians' fixation distribution during natural walking: Evidence from mobile eye-tracker: *Lighting Research & Technology*, (2021). 53(4), 359–372.
<https://doi.org/10.1177/1477153520968158>
- [14] Li, F., He, K., Zhu, R., Zhang, J., & Gao, M. Rural low-carbon energy development in the information age: Can internet access drive the farmer to participate in personal carbon trading schemes related to bioenergy? *Sustainable Development*, (2023). 31(3), 1417–1432. <https://doi.org/10.1002/sd.2456>
- [15] Ma, J., Li, Y., Shen, D., & Zhang, R. Integration of regional culture and place environment—Taking the landscape sculpture design scheme of Yuanbaozi Wetland Park as an example. *IOP Conference Series: Earth and Environmental Science*, (2021). 676(1), 012022 (4pp). <https://doi.org/10.1088/1755-1315/676/1/012022>
- [16] Pisani, D. Essay: MuBE, or Architecture as Construction of an Artificial Landscape. *City Construction*, (2021). TN.615, 13–21.
- [17] Rabbani, A., Fernando, A. M., Shams, R., Singh, A., Mostaghimi, P., & Babaei, M. (2021). Review of Data Science Trends and Issues in Porous Media Research Focusing on Image-Based Techniques. *Water Resources Research*, 10, 57.
<https://doi.org/10.1029/2020WR029472>
- [18] Rao, F., & Pafka, E. Shopping morphologies of urban transit station areas: A comparative study of central city station catchments in Toronto, San Francisco, and Melbourne. *Journal of Transport Geography*. (2021). 96(56), 34–45.
<https://doi.org/10.1016/j.jtrangeo.2021.103156>
- [19] Rotherham, I. Willows in the farming landscape: A forgotten eco-cultural icon. (2021). 12(12), 344.
- [20] Sung, C. Y. Examining the effects of vertical outdoor built environment characteristics on indoor light pollution. *Building and Environment*, (2022). 210(120), 108724-.
<https://doi.org/10.1016/j.buildenv.2021.108724>
- [21] Tao, C., Jie, M., Yi, L., Zhiguang, C., Nong, X., Yutong, L., Yinjin, F., Chunyuan, Y., Mansheng, L., & Songfeng, W. (2021). iProX in 2021: Connecting proteomics data sharing with big data. *Nucleic Acids Research*, D1, D1.
- [22] Worthy, J., Daly-Lesch, A., Tily, S., Godfrey, V., & Salmerón, C. A Critical Evaluation of Dyslexia Information on the Internet. *Journal of Literacy Research*, (2021). 53(1), 5–28.
<https://doi.org/10.1177/1086296X20986921>
- [23] Zhou, H., Wang, Y., Li, X., Xu, Z., Li, X., & Huang, L. A deep learning approach for trustworthy high-fidelity computational holographic orbital angular momentum communication. *Applied Physics Letters*,