

# Assessing Intentions to Select Chengdu as a Sports Tourism Destination: Role of Perceived Value and Destination Image of Sports Events

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## Abstract

The study investigates the factors influencing decision-making intentions for sports tourism destinations, employing the theoretical frameworks of perceived value and destination image. Utilizing an online survey and purposive sampling methodology, researchers obtained 417 valid questionnaires from tourists with experience in sports tourism in Chengdu. The collected data were subsequently analysed employing structural equation modelling techniques. Functional value, social value, and emotional value—representing the three dimensions of perceived value—positively impact attitudes and intentions toward sports tourism in Chengdu. Furthermore, the perceived destination image of sports events, encompassing both cognitive and affective aspects, exerts a comparable influence. Additionally, attitude toward sports tourism functions as a significant mediator in this relationship. This research contributes to the theoretical development of perceived value and perceived destination image within the context of sports tourism decision-making. The results provide crucial recommendations for Chengdu to bolster its sports tourism sector.

**Keywords:** Sports Tourism, Sports Events, Perceived Value, Perceived Value, Tourism Intention, Chengdu.

## Introduction

Sports tourism is increasingly gaining traction and is recognized as a burgeoning niche market within the travel industry (Aicher, Buning, & Newland, 2020). Sports events play a multifaceted role in sports tourism by attracting a substantial number of visitors through various channels and enhancing the city's image. These events contribute significantly to local economic growth and improve the overall perception of a city as vibrant and progressive, thereby serving as a crucial element in broader tourism and economic development frameworks. Chengdu, China, exemplifies how sports tourism can drive developmental progress and economic growth (Lu & Zhang, 2022). As a prominent focus of China's tourism development, sports tourism has emerged as a key symbol for Chengdu, enhancing its reputation as a hub for sporting events and fostering diverse urban economic and social advancement. In 2019, the Chengdu Marathon achieved a notable milestone, with 30,000 participants and over 100,000 registrations, generating an estimated economic impact of nearly 200 million RMB. Jintang County, within Chengdu, has strategically positioned itself as a national sports

tourism destination by emphasizing "landscape sports." It has implemented projects that promote sports tourism, integrate tourism development, and support emerging trendy sports activities. The city of Dujiangyan, also part of Chengdu, has emerged as a new focal point for sports tourism, drawing over two million visitors annually through various sports events. Chengdu, recognized as a "park city," capitalizes on its distinctive athletic appeal and burgeoning sports consumption to rapidly gain popularity, evolving into a "natural sports arena" for its population exceeding 20 million (Gong, Fan, & Wang, 2023). In 2023, Chengdu hosted the Universiade, attracting international attention and significant investment. Over the past three years, the city has allocated over 18 billion RMB, funded by the Chengdu municipal government, to fulfil the requirements of the Universiade. This investment included the construction of 13 new sports venues and the renovation of nearly 40 existing ones, many of which have become prominent tourist attractions, further solidifying Chengdu's status as a leading destination for sports tourism.

Despite its progress, Chengdu faces several challenges in comparison to world-class sports tourism destinations

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such as London, Barcelona, and Sydney. These challenges include service quality, the influence of events, and the integration of sports within the broader tourism infrastructure. Addressing these areas could enhance Chengdu's appeal to global events and tourists, thereby enriching its economic and cultural landscape. While significant advancements have been made in sports tourism research—particularly regarding sustainable tourism practices, economic impact assessments, and community engagement—there remains a paucity of focus on tourists' perceptions of value and destination image in the context of sports events. Therefore, this study aims to: (1) investigate how the perceived value of sports events influences tourists' intentions to choose Chengdu as a sports tourism destination; (2) assess the effect of the perceived destination image of sports events on the intention to select Chengdu for sports tourism; and (3) clarify the mediating roles of attitudes towards sports tourism.

To advance this research, a comprehensive literature review is essential. The third section details the research methodology, the fourth interprets the findings, and the final section presents the results, discusses limitations, and offers recommendations for future studies. This structured approach refines the research framework and provides a clear roadmap for further investigations in sports tourism.

## Literature Review

Perceived value theory has been extensively applied across various disciplines, including marketing, tourism, and sports management, to elucidate how perceived value affects consumer behaviour. [Sharma and Klein \(2020\)](#) provide a theoretical framework that defines functional, emotional, and social values as key factors influencing consumer behaviour. Destination image theory, a well-established concept in tourism research, explores the range of emotions, beliefs, and perceptions individuals hold about a specific destination ([Thi Khanh & Phong, 2020](#)).

### Hypothesis Development

Perceived value is defined as the value assigned to an experience relative to the perceived costs associated with it. It reflects how valuable a participant considers attending a specific sports event based on its benefits and costs. Functional value pertains to the quality of facilities and organizational aspects, which influence participants' satisfaction and their intention to revisit ([Jeong & Kim, 2020](#)). Additionally, perceived emotional value, which encompasses the enjoyment and entertainment derived from the event, enhances the overall perceived value and influences future behavioural intentions. Social value

refers to the potential for social interactions and the opportunity to form new relationships. Individuals who perceive higher value from the quality and overall experience of events such as the Winter Olympics are more likely to hold favourable attitudes towards attending similar events and visiting the host destinations ([Park et al., 2020](#)). Therefore, this study proposes:

**H1:** *Perceived value of sport tourism has a positive impact attitude towards sports tourism.*

Destination image encompasses the information retained in a tourist's memory and their behavioural intentions ([Lai, Khoo-Lattimore, & Wang, 2019](#)). In terms of tourists' pre-visit perceptions and evaluations, the perceived destination image can be defined as a combination of cognitive and affective assessments ([Guo & Pesonen, 2022](#)). The perceived quality of facilities and infrastructural development significantly impacts tourists' willingness to attend sporting events ([Stylidis, 2020](#)). This is further supported by the image concept, which includes the destination's appeal and ambiance and is crucial for customer satisfaction and repeat visitation ([Kim, Lehto, & Kandampully, 2019](#)). Additionally, the affective image involves emotions such as pleasure, excitement, and relaxation, which profoundly influence attitudes. Positive feelings toward a destination lead to more favorable orientations and higher probabilities of revisits. Social image, which pertains to the perceived social status and prestige associated with visiting a destination, also contributes to forming positive attitudes. For example, tourists are more likely to develop positive attitudes if they believe others will value their decision to visit a particular place. Thus, we posit:

**H2:** *Perceived destination image of sports events significantly impacts attitudes toward sports tourism.*

Enhancing perceived value, such as enjoyment, is a key strategy to increase future earnings through user retention and decrease the monetization of freemium services. Perceived image shapes tourists' intentions ([Tiwari & Hashmi, 2022](#)). Destination and event image exhibit a positive relationship with both satisfaction and the intention to revisit, as evidenced by the favourable inclination to return to a specific destination ([Evren, Şimşek Evren, & Çakıcı, 2020](#)). It is essential to assess how the physical environment and service quality influence memorable tourism experiences and intentions to revisit. Marathon events, engagement in sports, and the perceived quality of these events positively affect the likelihood of repeated visits and contribute to the evolving perception of sports as a promising category within tourism. Therefore, we hypothesize that:

**H3:** Perceived value of sports events positively impacts the intention to visit Chengdu as a sports tourism destination.

**H4:** The perceived destination image of sports events positively influences the intention to choose Chengdu as a sports tourism destination.

Attitude toward sports tourism encompasses the overall evaluation and disposition individuals hold toward engaging in sports-related travel activities. Tourists who maintain a positive attitude toward sports tourism are likely to perceive the experience as valuable and worthwhile, leading to higher levels of satisfaction and loyalty. Parasocial relationships and celebrity endorsements significantly influence tourists' attitudes toward destinations and their intentions to visit; interpersonal relationships play a crucial role in shaping and reinforcing these attitudes (Soltani et al., 2021; Zhang et al., 2020). Additionally, the mediating effect of destination satisfaction on the relationship between tourism motivations and satisfaction

underscores the importance of attitude in determining tourists' intentions (Biswas et al., 2021). Tourists' perceptions of a unique and satisfying sports tourism experience can significantly influence their intentions (Jeong & Kim, 2020). For instance, positive perceptions of traditional Chinese medical tourism among foreign students have notably impacted their intention to participate in such tourism (Liu et al., 2021). Thus, we hypothesize that:

**H5:** Attitude towards sports tourism constructively affects intentions to visit Chengdu as a destination.

**H6:** Attitude towards sports tourism influences the connection between perceived value of sports events and intentions to choose Chengdu for sports tourism.

**H7:** Attitude towards sports tourism facilitates the role of perceived destination image of sports events and intentions to select Chengdu as a sports tourism destination.

The proposed research is constructed upon the hypothesis, and the conceptual framework is depicted in Figure 1.

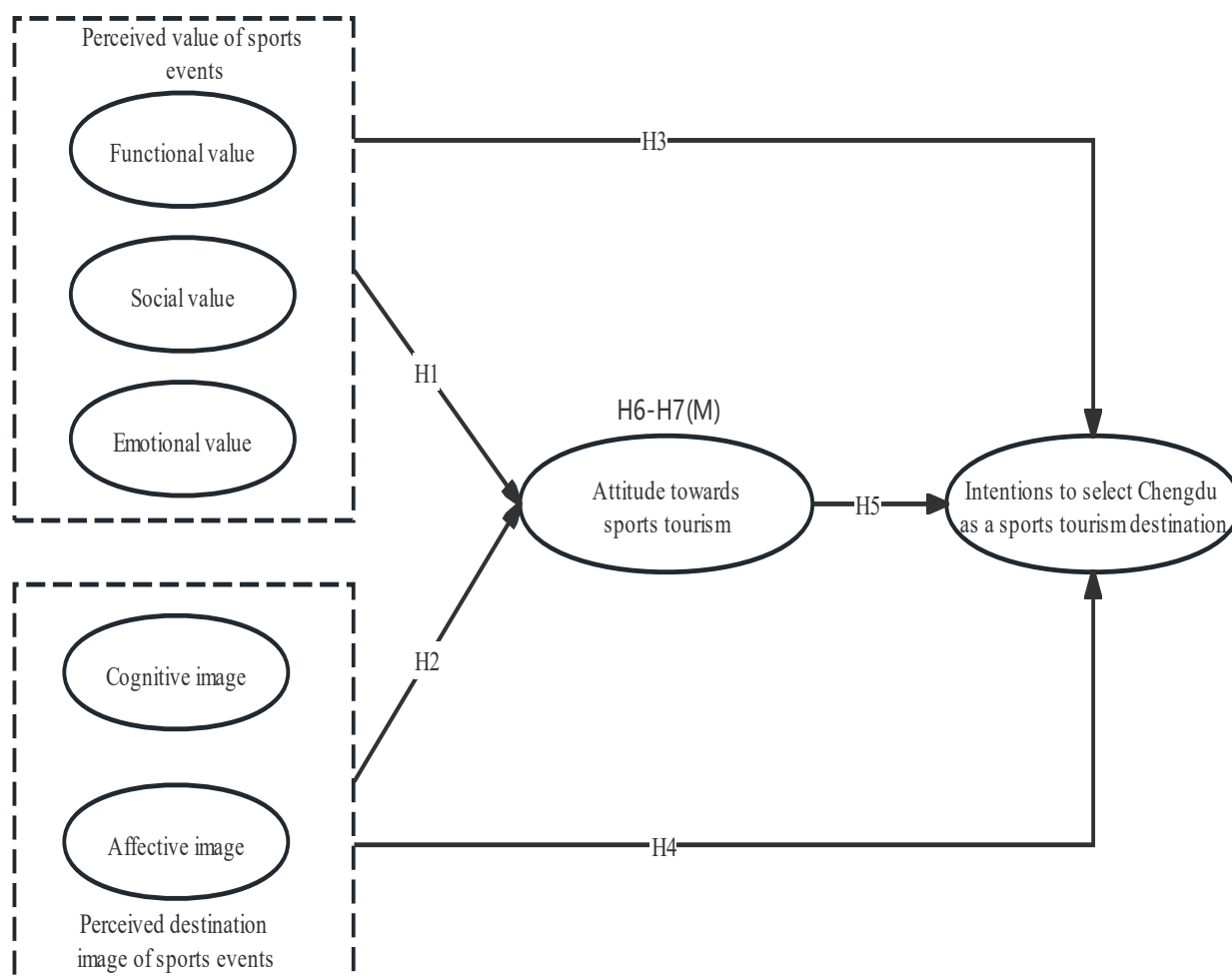


Figure 1: Theoretical Model of Study.

## Methods

### Data Collection and Analysis

This study employs an online survey to examine the factors influencing tourists' selection of Chengdu as a sports tourism destination. Data were collected from March to

May 2024. The International Olympic Committee (IOC) also assessed the questionnaire to confirm its content validity. The research utilizes purposive sampling to target individuals with prior experience visiting Chengdu, thereby ensuring the relevance of the responses. A total of 417 valid responses were obtained, as detailed in [Table 1](#).

**Table 1**

#### Essential Information

|                            | Information of Participants | Frequency | Percent |
|----------------------------|-----------------------------|-----------|---------|
| <b>Gender</b>              | Male                        | 191       | 45.8    |
|                            | Female                      | 226       | 54.2    |
| <b>Age</b>                 | 18-25                       | 149       | 35.7    |
|                            | 26-40                       | 186       | 44.6    |
|                            | 41-60                       | 53        | 12.7    |
|                            | >60                         | 29        | 7.0     |
|                            |                             |           |         |
| <b>Area</b>                | Eastern China               | 93        | 22.3    |
|                            | Southern China              | 112       | 26.9    |
|                            | Western China               | 105       | 25.2    |
|                            | Northern China              | 107       | 25.7    |
| <b>Education Level</b>     | Under bachelor's degree     | 41        | 9.8     |
|                            | Undergraduate               | 280       | 67.1    |
|                            | Postgraduate                | 76        | 18.2    |
|                            | Doctor Degree               | 20        | 4.8     |
| <b>Family Income/ Year</b> | < 100000¥                   | 27        | 6.5     |
|                            | 100000¥-200000¥             | 85        | 20.4    |
|                            | 200000¥-300000¥             | 198       | 47.5    |
|                            | >300000¥                    | 107       | 25.7    |

[Table 1](#) reveals that the gender distribution is slightly skewed towards females, with 54.2% of respondents identifying as female and 45.8% as male, indicating a relatively balanced representation of both genders. In terms of age, the majority of respondents are between 18-25 years (35.7%) and 26-40 years (44.6%), reflecting a predominance of younger to middle-aged individuals, with fewer respondents aged 41-60 years (12.7%) and over 60 years (7.0%). Geographically, respondents are distributed across various regions of China, with a fairly even representation from Eastern (22.3%), Southern (26.9%), Western (25.2%), and Northern China (25.7%). This distribution ensures a broad range of regional perspectives. Regarding educational attainment, 67.1% of respondents are undergraduates, 18.2% are postgraduates, and 4.8% have completed doctoral studies. Concerning annual family income, nearly half of the respondents (47.5%) earn between 200,000¥ and 300,000¥, with significant portions earning over 300,000¥ (25.7%) and between 100,000¥ and 200,000¥ (20.4%). A smaller segment reports earnings below 100,000¥ (6.5%). These income brackets indicate substantial economic diversity within the sample, representing a range of financial backgrounds.

### Instrument

The questionnaire comprises items designed to evaluate perceived value, destination image, attitudes toward sports tourism, and intentions to select Chengdu as a sports tourism destination. Perceived value is categorized into functional, social, and emotional dimensions ([Sharma & Klein, 2020](#)). Functional value encompasses the overall quality, organization, and perceived economic value associated with the sports event ([Shonk & Chelladurai, 2008](#)). Four items developed by [Soltani et al. \(2021\)](#) were used to assess functional value. Perceived utility, or the utilitarian benefit of attending the event, is evaluated through four items based on [Trail and James \(2001\)](#). Social value, assessed by four items adapted from [Wann \(1995\)](#), involves the affective responses elicited by the event, including the enjoyment and memories created. Destination image assessment incorporates psychological perceptions related to mental imagery and feelings about the destination. The framework includes evaluating facilities, accessibility, and safety of Chengdu as a sports tourism destination ([Baloglu & McCleary, 1999](#)). Cognitive image is measured through

four items reflecting tourists' perceptions of tangible attributes. The affective image, reflecting feelings such as pleasure and excitement about Chengdu as a sports tourism destination, is assessed using four items based on the positive emotions associated with the destination (Hosany, Ekinici, & Uysal, 2006). Attitudes toward sports tourism, which involve evaluations of its impact on cultural enhancement, enjoyment, value, or worth (Funk et al., 2009), are crucial in influencing visitor behaviour. Based on Funk et al. (2009), four action-based items were developed to measure these attitudes. For the measurement of intentions to select Chengdu, four variables are retained: the likelihood of visiting, recommending the destination to others, and planning future visits to Chengdu for sports events (Ajzen, 1991).

**Table 2**

*Reliability Statistics*

| Variables Studied  | Questions in (N) | Cronbach's $\alpha$ |
|--|------------------|---------------------|
| Perceived Value of Sports Events                             | 12               | 0.944               |
| Perceived Destination Image of Sports Events                 | 8                | 0.912               |
| Attitude Towards Sports Tourism                              | 4                | 0.842               |
| Intentions to Select Chengdu as a Sports Tourism Destination | 4                | 0.844               |

**Note:** N denotes number

To evaluate the data's suitability for factor analysis, both the Kaiser-Meyer-Olkin (KMO) measure and Bartlett's test of sphericity were applied. The KMO value for this study was 0.966, as detailed in Table 3. Generally, KMO values above 0.9 are deemed excellent, indicating high sampling adequacy, while values below 0.2 or above 0.8 are considered

**Table 3**

*KMO and Bartlett's Test*

| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. |                    | .966     |
|--|--------------------|----------|
| Bartlett's Test of Sphericity                    | Approx. Chi-Square | 6945.475 |
|  | df                 | 378      |
|  | Sig.               | .000     |

**Confirmatory factor analysis (CFA)**

Confirmatory Factor Analysis (CFA) is a method used to assess whether a proposed model accurately represents the relationships between observed and latent variables (Arora, 2023). In this study, CFA was utilized to test the convergent validity of latent variables using Composite Reliability (C.R.) and Average Variance Extracted (AVE). The results showed that the perceived value of sports events had strong convergent validity, with factor loadings between 0.935 and 0.944 (well above the 0.7 threshold) and an AVE of 0.586

## Results

### Reliability and Validity

As shown in Table 2, all constructs had Cronbach's alpha values above 0.7, indicating strong reliability. The perceived value scale for sports events, consisting of 12 items, had an alpha coefficient of 0.944, while the perceived destination image scale, with eight items, also had a high alpha coefficient of 0.912. Additionally, the constructs for attitude towards sports tourism and the intention to choose Chengdu as a destination, each with four items, showed alpha values of 0.842 and 0.844, respectively, exceeding the acceptable threshold and confirming satisfactory internal consistency.

noteworthy for factor analysis. This high KMO value indicates that the data are well-suited for factor analysis due to strong correlations among variables. Chi-square was 6945.475 for 378 df with a significance of 0.000,  $p < 0.05$ , which means the null hypothesis was rejected and confirmed that the data were appropriate for factor analysis.

(exceeding the 0.50 benchmark), indicating robust internal consistency. The perceived destination image of sports events also demonstrated good convergent validity, with factor loadings ranging from 0.732 to 0.775, a C.R. of 0.912, and an AVE of 0.563, all meeting the criteria for strong convergent validity. Furthermore, attitudes toward sports tourism and intentions to choose Chengdu as a destination had C.R. values of 0.843 and 0.844 and AVE values of 0.574 and 0.576, respectively, confirming the reliability and validity of the study's constructs.

**Table 4***Convergence Validity*

| Latent Variables   | Observation Indicators | Factor Loading | CR    | AVE   |
|--|------------------------|----------------|-------|-------|
| Perceived Value of Sports Events                             | FV1                    | 0.766          | 0.944 | 0.586 |
|  | FV2                    | 0.763          |       |       |
|  | FV3                    | 0.795          |       |       |
|  | FV4                    | 0.761          |       |       |
|  | SV1                    | 0.754          |       |       |
|  | SV2                    | 0.746          |       |       |
|  | SV3                    | 0.754          |       |       |
|  | SV4                    | 0.754          |       |       |
|  | EV1                    | 0.771          |       |       |
|  | EV2                    | 0.787          |       |       |
| Perceived Destination Image of Sports Events                 | EV3                    | 0.774          | 0.912 | 0.563 |
|  | EV4                    | 0.760          |       |       |
|  | CI1                    | 0.732          |       |       |
|  | CI2                    | 0.752          |       |       |
|  | CI3                    | 0.737          |       |       |
|  | CI4                    | 0.775          |       |       |
|  | AI1                    | 0.735          |       |       |
|  | AI2                    | 0.754          |       |       |
|  | AI3                    | 0.745          |       |       |
|  | AI4                    | 0.772          |       |       |
| Attitude towards Sports Tourism                              | ATST1                  | 0.758          | 0.843 | 0.574 |
|  | ATST2                  | 0.752          |       |       |
|  | ATST3                  | 0.750          |       |       |
|  | ATST4                  | 0.770          |       |       |
| Intentions to Select Chengdu as a Sports Tourism Destination | ISC1                   | 0.758          | 0.844 | 0.576 |
|  | ISC2                   | 0.757          |       |       |
|  | ISC3                   | 0.750          |       |       |
|  | ISC4                   | 0.770          |       |       |

As shown in Table 5, the square root of the AVE, displayed along the diagonal, must be greater than the correlations between constructs to confirm discriminant validity. For the perceived value of sports events, the square root of the AVE is 0.766, which exceeds its correlations with the perceived destination image of sports events (0.560), attitudes toward sports tourism (0.634), and intentions to select Chengdu as a sports tourism destination (0.587).

Similarly, the square root of the AVE for the perceived destination image of sports events is 0.750, surpassing its correlations with other constructs, indicating adequate discriminant validity. The constructs of attitudes toward sports tourism and intentions to choose Chengdu as a destination also show discriminant validity, with square roots of AVE of 0.758 and 0.759, respectively, exceeding their inter-construct correlations.

**Table 5***Distinguish between Validity Tests*

| Latent Variables   | 1     | 2     | 3     | 4     |
|--|-------|-------|-------|-------|
| Perceived Value of Sports Events                             | 0.766 |       |       |       |
| Perceived Destination Image of Sports Events                 | 0.560 | 0.750 |       |       |
| Attitude towards Sports Tourism                              | 0.634 | 0.521 | 0.758 |       |
| Intentions to Select Chengdu as a Sports Tourism destination | 0.587 | 0.622 | 0.594 | 0.759 |

Table 6 indicates that the model fits the data well, as shown by the following indices:  $\chi^2/df = 0.955$  (below the

threshold of 3), RMSEA = 0.000 (below 0.08), GFI = 0.947, and AGFI = 0.938. The Normed Fit Index (NFI)

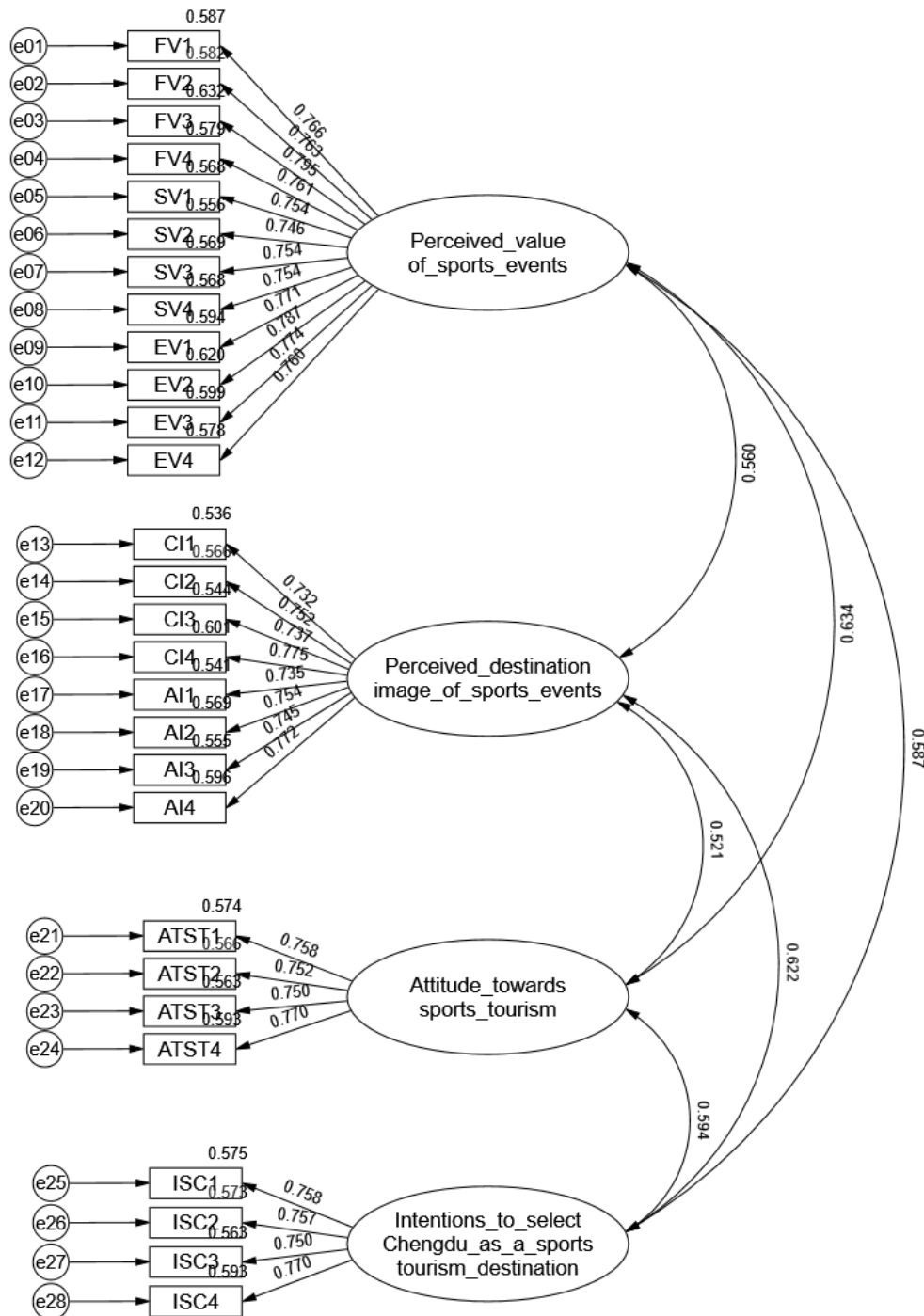
and Comparative Fit Index (CFI) also reflect a strong model fit, with values of 0.954 and 1.000, respectively, both surpassing the recommended threshold of 0.9. Figure 2 presents the measurement model used to

examine the relationships between perceived value, destination image, attitudes towards sports tourism, and intentions to choose Chengdu as a sports tourism destination.

**Table 6**

*Illustrates the Metrics of Confirmatory Factor Model (CFM) Analysis*

| Fit Index          | $\chi^2/df$ | RMSEA  | GFI   | AGFI  | NFI   | CFI   |
|--------------------|-------------|--------|-------|-------|-------|-------|
| Normative Standard | <3          | <0.082 | >0.09 | >0.09 | >0.09 | >0.09 |
| Result             | 0.953       | 0.001  | 0.949 | 0.937 | 0.953 | 1.001 |



**Figure 2:** Measurement Model Diagram.

## Path Analysis

Table 7 shows that the structural equation model fits the data excellently: the  $\chi^2/df$  ratio is 0.955 (<3), the RMSEA is 0.000 (<0.08), and both GFI and AGFI are

above 0.90 (0.947 and 0.938, respectively). Additionally, the NFI and CFI values are 0.954 and 1.000, exceeding the 0.90 threshold. Overall, these indices indicate a very good model fit and high accuracy in representing the data.

**Table 7**

*Demonstrates the Metrics of Model Fit*

| Fit Index           | $\chi^2/df$ | RMSEA  | GFI   | AGFI  | NFI   | CFI   |
|---------------------|-------------|--------|-------|-------|-------|-------|
| Normative Standards | <3          | <0.008 | >0.09 | >0.09 | >0.09 | >0.09 |
| Outcome             | 0.954       | 0.000  | 0.948 | 0.937 | 0.953 | 1.001 |

Table 8 presents the path analysis results for the structural equation model, highlighting the connections between latent variables. Each path coefficient was assessed with the critical ratio (C.R.) and significance level (P). A coefficient is considered significant at the 95% confidence level if the C.R. exceeds 1.96 and the P value is under 0.05, confirming the hypothesis's validity. All hypothesized paths in this study met these criteria. Specifically, the path from perceived value of sports events (P.V.) to attitudes towards sports tourism (ATST) shows an estimate of 0.507, a standardized coefficient ( $\beta$ ) of 0.499, a standard error (S.E.) of 0.063, and a C.R. of 8.021 with  $P < 0.001$ , validating H1 and indicating a

strong positive link. The path from the perceived destination image of sports events (P.D.) to ATST has an estimate of 0.254, a  $\beta$  of 0.241, an S.E. of 0.061, and a C.R. of 4.170 with  $P < 0.001$ , supporting H2. Additionally, the path from P.V. to intentions to select Chengdu as a sports tourism destination (ISC) has an estimate of 0.214, a  $\beta$  of 0.214, an S.E. of 0.064, and a C.R. of 3.360 with  $P < 0.001$ , supporting H3. The path from P.D. to ISC shows an estimate of 0.375, a  $\beta$  of 0.362, an S.E. of 0.062, and a C.R. of 6.006 with  $P < 0.001$ , confirming H4. Finally, the path from ATST to ISC has an estimate of 0.267, a  $\beta$  of 0.270, an S.E. of 0.066, and a C.R. of 4.068 with  $P < 0.001$ , supporting H5.

**Table 8**

*Demonstrates the Outcomes of SEM*

| Hypothesis | Path     | Estimate | $\beta$ | S.E.  | C.R.  | P   | Results   |
|------------|----------|----------|---------|-------|-------|-----|-----------|
| H(1)       | PV→ATST  | 0.507    | 0.499   | 0.063 | 8.021 | *** | Supported |
| H(2)       | PD→ATST  | 0.254    | 0.241   | 0.061 | 4.170 | *** | Supported |
| H(3)       | PV→ISC   | 0.214    | 0.214   | 0.064 | 3.360 | *** | Supported |
| H(4)       | PD→ISC   | 0.375    | 0.362   | 0.062 | 6.006 | *** | Supported |
| H(5)       | ATST→ISC | 0.267    | 0.270   | 0.066 | 4.068 | *** | Supported |

Note: P.V.: Perceived Value of Sports Events; P.D.: Perceived Destination Image of Sports Events; ATST: Attitude towards Sports Tourism; ISC: Intentions to Select Chengdu as a Sports Tourism Destination.

\*\*\*:  $p < 0.001$

Table 10 details the results of the mediation effect bootstrap tests. Hypothesis H7 suggests that ATST mediate the link between the P.D and intentions to select Chengdu as a ISC. The mediation effect size is

0.068 with a S.E of 0.029. The bias-corrected 95% CI spans from 0.020 to 0.143, thereby supporting H7. This result highlights the mediating role of ATST in the relationship between P.D. and ISC.

**Table 9**

*Shows the Mediation Effect Bootstrap Analysis*

| Hypothesis | Mediation path | Effect size | SE    | Bias-Corrected |       | Outcome   |
|------------|----------------|-------------|-------|----------------|-------|-----------|
|            |                |             |       | 95%            |       |           |
| H6         | PV→ATST→ISC    | 0.134       | 0.051 | 0.058          | 0.261 | Supported |
| H7         | PD→ATST→ISC    | 0.069       | 0.028 | 0.021          | 0.142 | Supported |

Note: P.V.: Perceived Value of Sports Events; P.D.: Perceived Destination Image of Sports Events; ATST: Attitude towards Sports Tourism; ISC: Intentions to Select Chengdu as a Sports Tourism Destination.



Table 9 presents the results of the bootstrapping analysis for mediation effects, detailing the hypotheses, direct and indirect mediation paths, effect coefficients, standard errors, and bootstrapped estimates. The table includes both total and bias-corrected percentages, as well as 95% confidence intervals for the tested hypotheses. The analysis reveals that P.V and P.D exhibit a positive

correlation with ATT towards sports tourism events. Furthermore, P.V. and P.D. significantly influence intentions to select Chengdu as a ISC. The direct effect of attitudes towards sports tourism on the intention to choose Chengdu is also highlighted, reinforcing the pivotal role of tourists' attitudes in shaping their destination choices.

Table 10

Total Effects

| Effect Path | Effect Size | SE    | Bias-Corrected 95%CI |
|-------------|-------------|-------|----------------------|
| PD→ATST     | 0.254       | 0.079 | 0.096 0.393          |
| PV→ATST     | 0.507       | 0.078 | 0.357 0.660          |
| PD→ISC      | 0.443       | 0.084 | 0.273 0.604          |
| PV→ISC      | 0.349       | 0.082 | 0.180 0.512          |
| ATST→ISC    | 0.267       | 0.090 | 0.099 0.451          |

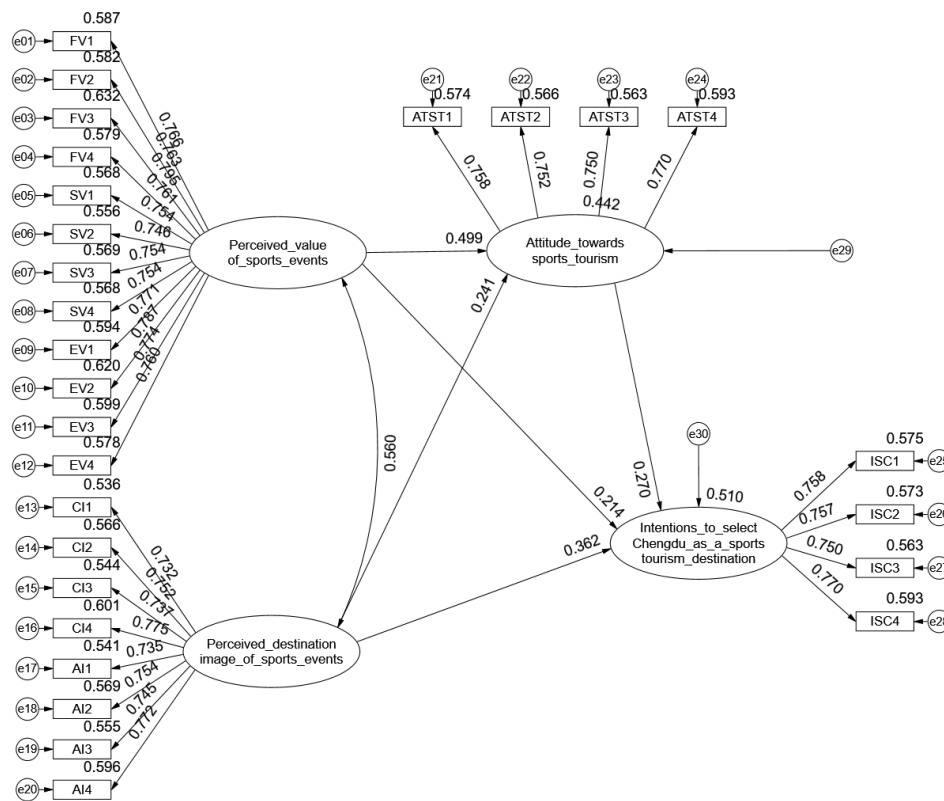


Figure 3: Path Diagram for the Structural Equation Model.

Discussion and Conclusion

The SEM analysis offers robust empirical evidence supporting the hypothesized relationships, illustrating the significant impact of perceived value and destination image on tourists' attitudes and their intentions to select Chengdu as a sports tourism destination. Hypotheses H1 ( $\beta = 0.499, p < 0.001$ ) and H2 ( $\beta = 0.241, p < 0.001$ ) were substantiated, indicating that both perceived value and perceived destination image positively influence attitudes

towards sports tourism. These findings underscore the importance of both the practical benefits and emotional appeal of a destination in shaping tourist perceptions. Further validation of H3 and H4 revealed that perceived value ( $\beta = 0.214, p < 0.001$ ) and destination image ( $\beta = 0.362, p < 0.001$ ) directly affect tourists' intentions to visit Chengdu. Additionally, H5 confirmed that favourable attitudes ( $\beta = 0.270, p < 0.001$ ) significantly enhance these intentions. The mediation analysis, via bootstrap testing, confirmed the mediating role of attitudes towards sports

tourism in the relationship between perceived value and intentions, as well as between destination image and intentions. Specifically, the path from perceived value to intentions through attitude (H6) was significant (effect size = 0.135, 95% CI: 0.057 to 0.260), as was the path from destination image to intentions through attitude (H7) (effect size = 0.068, 95% CI: 0.020 to 0.143). These results offer new insights into the role of attitudes in sports tourism, extending prior research by demonstrating their critical mediating function in the relationship between perceived value, destination image, and behavioural intentions.

### **Implication of Theories**

While previous research has extensively investigated perceived value within general tourism contexts, this study broadens the scope by examining its role within large-scale sports tourism. The study identifies functional, emotional, and social dimensions as pivotal factors shaping tourists' perceptions of value and their subsequent behaviours. In contrast to [Stylidis \(2020\)](#) conceptual discussion on the cognitive and affective aspects of destination image, this study advances theoretical knowledge by illustrating that attitudes towards sports tourism mediate the effects of positive destination image perceptions on actual travel behaviours. The insights gained from this study not only refine these theoretical concepts but also suggest directions for future research, encouraging exploration of similar phenomena in various tourism contexts and thereby enriching the tourism management knowledge base.

### **Implication to Practitioners**

This research offers several managerial implications that can enhance Chengdu's appeal to sports tourism managers or any city aiming to establish itself as a premier destination in this niche market. A key finding emphasizes that functional value significantly influences tourists' attitudes and behavioural intentions. Sports event organizers must ensure high-quality events that offer value for money, well-organized logistics, and well-equipped venues. Enhancing functional aspects such as accessibility, seating arrangements, and overall event management will boost tourists' satisfaction and their likelihood of returning. Incorporating these elements into promotional strategies will underscore Chengdu's commitment to providing top-notch events that address practical needs. In addition to functional value, social value plays a crucial role in enriching the tourist experience. Chengdu should promote its sports events as opportunities for social interaction and community engagement. Initiatives such as fan zones, athlete meet-and-greets, and group activities can enhance social experiences, fostering greater

satisfaction and encouraging positive word-of-mouth. Building relationships among event attendees is vital in sports tourism, where social value is a key factor. Emotional value also significantly affects tourists' behavioural intentions. Organizers should focus on creating experiences that evoke enthusiasm, joy, and pleasure. Memorable activities, such as special performances, pre-game events, and cultural celebrations, can complement sports events and generate an emotional connection to the destination. Positive emotional experiences can strengthen tourists' bond with Chengdu, increasing the likelihood of repeat visits. Marketing campaigns should target consumers' emotional needs to build excitement about attending sports events in Chengdu. To enhance Chengdu's destination image, both cognitive and affective aspects need reinforcement. The cognitive image involves infrastructure, accessibility, and safety, which are crucial in shaping tourists' perceptions. Chengdu must highlight its capabilities as a host for large-scale sports events and demonstrate its competitive advantages in these areas. Concurrently, marketers should craft a compelling image that reflects the city's friendliness, comfort, and safety. Balancing these cognitive and affective elements will attract both first-time and returning visitors. Furthermore, fostering positive attitudes towards sports tourism can enhance tourists' behavioural intentions to revisit and recommend Chengdu. By emphasizing the city's cultural richness, diverse cuisine, event calendar, and historical significance, marketers can differentiate Chengdu from other sports tourism destinations. This approach will not only attract sports enthusiasts but also engage other potential tourists, reinforcing Chengdu's status as a world-class sports tourism hub. In summary, the study highlights the importance of cultivating favourable perceptions of sports events in Chengdu. This strategic focus on functional, social, and emotional elements is crucial for ensuring a memorable and satisfying tourist experience. These insights provide a basis for practical measures that will enhance Chengdu's appeal and contribute to its long-term success as a leading destination for sports tourism.

### **Limitations and Scope for Future Research**

This study, focusing on Chengdu, presents several limitations that future research should address to build on these findings. Firstly, the study's geographical focus on Chengdu limits the generalizability of the results. Future research should consider examining multiple cities or regions to facilitate a comparative analysis, which could uncover regional differences in how perceived value and destination image influence tourist behaviour. Secondly, while this research concentrated on functional, social, and

emotional value, future studies might explore the inclusion of experiential or cultural value as additional dimensions of perceived value. Given the unique cultural experiences associated with sports events at specific destinations, incorporating these variables could provide a more comprehensive understanding of how tourists evaluate the utility of their experiences in culturally significant sports tourism destinations like Chengdu. Moreover, the current model does not incorporate the effects of digital

engagement and social media on tourists' perceptions and intentions. Given the increasing role of these digital platforms in influencing travel behaviour, future studies should explore how online word-of-mouth, social media content, and other digital sources impact the perceived value and image of destinations. Investigating variables like social media influence and digital trust could provide valuable insights into how these elements shape tourist decision-making in today's digital age.

## Reference

- Aicher, T. J., Buning, R. J., & Newland, B. L. (2020). Running through travel career progression: Social worlds and active sport tourism. *Journal of Sport Management*, 34(6), 542-553. <https://doi.org/10.1123/jism.2019-0256>
- Ajzen, I. (1991). The theory of planned behavior. *Organizational Behavior and Human Decision Processes*, 50(2), 179-211. [https://doi.org/10.1016/0749-5978\(91\)90020-T](https://doi.org/10.1016/0749-5978(91)90020-T)
- Baloglu, S., & McCleary, K. W. (1999). A model of destination image formation. *Annals of Tourism Research*, 26(4), 868-897. [https://doi.org/10.1016/S0160-7383\(99\)00030-4](https://doi.org/10.1016/S0160-7383(99)00030-4)
- Biswas, C., Deb, S. K., Hasan, A. A. T., & Khandakar, M. S. A. (2021). Mediating effect of tourists' emotional involvement on the relationship between destination attributes and tourist satisfaction. *Journal of Hospitality and Tourism Insights*, 4(4), 490-510. <https://doi.org/10.1108/JHTI-05-2020-0075>
- Evren, S., Şimşek Evren, E., & Çakıcı, A. C. (2020). Moderating effect of optimum stimulation level on the relationship between satisfaction and revisit intention: the case of Turkish cultural tourists. *International Journal of Culture, Tourism and Hospitality Research*, 14(4), 681-695. <https://doi.org/10.1108/IJCTHR-03-2019-0052>
- Funk, D. C., Filo, K., Beaton, A. A., & Pritchard, M. (2009). Measuring the motives of sport event attendance: Bridging the academic-practitioner divide to understanding behavior. *Sport Marketing Quarterly*, 18(3), 126-138. <https://www.danielfunk.com/wp-content/uploads/2016/01/Funk-Filo-Beaton-Pritchard-2009-SMQ.pdf>
- Gong, H., Fan, H., & Wang, Y. (2023). The Consumption of Leisure Sports and the Emerging Urban Middle-Class in Contemporary China. *Asian Journal of Sport History & Culture*, 2(3), 260-295. <https://doi.org/10.1080/27690148.2023.2276687>
- Guo, X., & Pesonen, J. A. (2022). The role of online travel reviews in evolving tourists' perceived destination image. *Scandinavian Journal of Hospitality and Tourism*, 22(4-5), 372-392. <https://doi.org/10.1080/15022250.2022.2112414>
- Hosany, S., Ekinci, Y., & Uysal, M. (2006). Destination image and destination personality: An application of branding theories to tourism places. *Journal of Business Research*, 59(5), 638-642. <https://doi.org/10.1016/j.jbusres.2006.01.001>
- Jeong, Y., & Kim, S. (2020). A study of event quality, destination image, perceived value, tourist satisfaction, and destination loyalty among sport tourists. *Asia Pacific Journal of Marketing and Logistics*, 32(4), 940-960. <https://doi.org/10.1108/APJML-02-2019-0101>
- Kim, S., Lehto, X., & Kandampully, J. (2019). The role of familiarity in consumer destination image formation. *Tourism Review*, 74(4), 885-901. <https://doi.org/10.1108/TR-10-2018-0141>
- Lai, M. Y., Khoo-Lattimore, C., & Wang, Y. (2019). Food and cuisine image in destination branding: Toward a conceptual model. *Tourism and Hospitality Research*, 19(2), 238-251. <https://doi.org/10.1177/1467358417740763>
- Liu, X., Li, Z., Zhang, Q., & Zhang, Y. (2021). Understanding news coverage of tourism safety: a comparative analysis of visitors and non-visitors. *Tourism Review*, 76(4), 788-808. <https://doi.org/10.1108/TR-10-2020-0500>
- Lu, Q., & Zhang, Z. (2022). Do Financial Support Policies Catalyse the Development of New Consumption Field?—Evidence from China's New Consumer Enterprises. *Sustainability*, 14(20), 13394. <https://doi.org/10.3390/su142013394>
- Park, J., Kim, M., Nauright, J., & Kim, Y. H. (2020). Sport event tourists'(SET's) behavior: a case study of the PyeongChang Winter Olympics. *International Journal of Sports Marketing and Sponsorship*, 21(2), 267-284. <https://doi.org/10.1108/IJSMS-09-2019-0101>
- Sharma, V. M., & Klein, A. (2020). Consumer perceived value, involvement, trust, susceptibility to interpersonal influence, and intention to participate in online group buying. *Journal of Retailing and Consumer Services*, 52, 101946. <https://doi.org/10.1016/j.jretconser.2019.101946>

- Shonk, D. J., & Chelladurai, P. (2008). Service quality, satisfaction, and intent to return in event sport tourism. *Journal of Sport Management*, 22(5), 587-602. <https://doi.org/10.1123/jsm.22.5.587>
- Soltani, M., Soltani Nejad, N., Taheri Azad, F., Taheri, B., & Gannon, M. J. (2021). Food consumption experiences: a framework for understanding food tourists' behavioral intentions. *International Journal of Contemporary Hospitality Management*, 33(1), 75-100. <https://doi.org/10.1108/IJCHM-03-2020-0206>
- Stylidis, D. (2020). Using destination image and place attachment to explore support for tourism development: The case of tourism versus non-tourism employees in EILAT. *Journal of Hospitality & Tourism Research*, 44(6), 951-973. <https://doi.org/10.1177/1096348020919157>
- Thi Khanh, C. N., & Phong, L. T. (2020). Impact of environmental belief and nature-based destination image on ecotourism attitude. *Journal of Hospitality and Tourism Insights*, 3(4), 489-505. <https://doi.org/10.1108/JHTI-03-2020-0027>
- Tiwari, R., & Hashmi, H. (2022). Integrating concepts of destination image, travel motivations, expectation, and future behavior to create a model of wellness travel intentions. *International Journal of Spa and Wellness*, 5(2), 185-206. <https://doi.org/10.1080/24721735.2022.2057714>
- Trail, G. T., & James, J. D. (2001). The motivation scale for sport consumption: Assessment of the scale's psychometric properties. *Journal of Sport Behavior*, 24(1), 108-127. <https://www.researchgate.net/publication/285487957>
- Wann, D. L. (1995). Preliminary validation of the Sport fan motivation scale. *Journal of Sport and Social Issues*, 19(4), 377-396. <https://doi.org/10.1177/019372395019004004>
- Zhang, J., Cao, J., Wang, C., Hu, H., & Yu, P. (2020). How far is the ideal destination? Distance desire, ways to explore the antinomy of distance effects in tourist destination choice. *Journal of Travel Research*, 59(4), 614-630. <https://doi.org/10.1177/0047287519844832>

## Appendix

**Table 1**

*Variables Measurements*

| Construct  | Items  | Source                       |
|--|--|------------------------------|
| Functional Value   | FV1. The sports event in Chengdu provides good value for the money spent.                  | Shonk and Chelladurai (2008) |
|  | FV2. The event in Chengdu meets my practical expectations for a sports tourism experience. |                              |
|  | FV3. The quality of facilities at the event in Chengdu matches my needs as a spectator.    |                              |
|  | FV4. The event in Chengdu is well-organized.   |                              |
| Social Value   | SV1. Attending the event in Chengdu gives me a chance to socialize with others.            | Trail and James (2001)       |
|  | SV2. The event in Chengdu is a good opportunity to spend time with friends or family.      |                              |
|  | SV3. I felt a sense of community when I attended the event in Chengdu.                     |                              |
|  | SV4. Attending the Chengdu event helped me connect with other fans who share my interests. |                              |
| Emotional Value  | EV1. I experience excitement and thrill at the event in Chengdu.                           | Wann (1995)                  |
|  | EV2. The event in Chengdu evokes strong emotions in me.                                    |                              |
|  | EV3. Attending the event in Chengdu makes me feel happy.                                   |                              |
|  | EV4. The event in Chengdu provides a memorable experience that I cherish.                  |                              |
| Cognitive Image  | CI1. Chengdu has adequate infrastructure to host international sports events.              | Baloglu and McCleary (1999)  |
|  | CI2. The city offers good accessibility to sports venues.                                  |                              |
|  | CI3. Chengdu is safe for tourists.   |                              |
|  | CI4. The local community in Chengdu is supportive of hosting sports events.                |                              |
| Affective Image  | AI1. I feel excited about the idea of visiting Chengdu for sports events.                  | Hosany et al. (2006)         |
|  | AI2. Chengdu has a welcoming atmosphere for sports tourists.                               |                              |
|  | AI3. I feel relaxed when considering Chengdu as a sports event destination.                |                              |
|  | AI4. Visiting Chengdu for sports events would be enjoyable.                                |                              |
| Attitudes Towards Sports Tourism                             | ATST1. I think that travelling to attend sports events is a worthwhile activity.           | Funk et al. (2009)           |
|  | ATST2. I believe that sports events offer unique cultural experiences.                     |                              |
|  | ATST3. I feel that attending sports events as a tourist is enjoyable.                      |                              |
|  | ATST4. Sports tourism is something I would recommend to others.                            |                              |
| Intentions to Select Chengdu as a Sports Tourism Destination | ISC1. I intend to visit Chengdu in the future to attend sports events.                     | Ajzen (1991)                 |
|  | ISC2. I will recommend Chengdu to friends and family as a great place for sports tourism.  |                              |
|  | ISC3. If I have the opportunity, I will visit Chengdu specifically for its sports events.  |                              |
|  | ISC4. Planning a trip to Chengdu for a sports event is on my to-do list.                   |                              |

**Table 2**

*Operational Definitions of Related Variables*

| Construct  | Operational Definition   | Source                       |
|--|--|------------------------------|
| Functional Value   | The overall assessment evaluates the practical benefits provided by the sports event, including quality, organization, and value for money.  | Shonk and Chelladurai (2008) |
| Social Value   | The perceived social benefits of attending the sports event include opportunities for socializing, spending time with others, and feeling a sense of community.                            | Trail and James (2001)       |
| Emotional Value  | The emotional responses and affective experiences evoked by the sports event include excitement, happiness, and creating memorable experiences.  | Wann (1995)                  |
| Cognitive Image  | The beliefs and knowledge about Chengdu's attributes as a sports tourism destination encompass its infrastructure, accessibility, safety, and community support for hosting sports events. | Baloglu and McCleary (1999)  |
| Affective Image  | The emotional responses or feelings towards Chengdu as a sports tourism destination include excitement, relaxation, and enjoyment when considering visiting for sports events.             | Hosany et al. (2006)         |
| Attitudes Towards Sports Tourism                             | The overall evaluation of sports tourism includes perceptions of its worth, cultural enrichment, enjoyment, and the likelihood of recommending it to others.                               | Funk et al. (2009)           |
| Intentions to Select Chengdu as a Sports Tourism Destination | The likelihood of visiting Chengdu for sports events includes recommending Chengdu to others and planning future trips specifically for sports tourism.                                    | Ajzen (1991)                 |