

Evaluating Index System, Organization and Management of Dragon and Lion Dance Events in Henan Province

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Abstract

Henan Provincial government, sports authorities and non-governmental organizations have actively organized a series of sports activities and sports events under the guidance of the "Sports Strong Province" strategy, and different types and levels of dragon and lion dance competitions have thus formed a huge influence both inside and outside the province and at home and abroad. In order to clarify the evaluation index and the weight of each index of Henan Dragon and Lion Dance Competition, this research adopts the research method of literature, Delphi method and hierarchical analysis, and conducts investigation and consultation for 15 experts in this field.

The research results show that five first-level indicators, including basic conditions, event security risk, pre-competition preparation, in-competition guarantee and post-competition service, and 47 subordinate second-level indicators, together constitute the evaluation index system of Dragon and lion dance organization and management in Henan Province, and the weights of each indicator are different. The conclusion shows that the organization and management of the dragon and lion dance competition in Henan Province should be continuously optimized according to the evaluation index system to effectively improve the organization and management level of the competition.

Keywords: Henan Province; Dragon and Lion Dance Events; Organization and Management; Evaluation Index System

Introduction

The dragon and lion dance is an excellent traditional sports event that was born on the basis of traditional Chinese culture and integrates sports, culture, art, folk customs and other elements. In the process of the inheritance and exchange of Chinese culture with the outside world, the dragon and lion dance plays an important role^[1]. It plays an important role and has received more and more attention and attention as China's external influence continues to increase. The unique sports charm and artistic charm of dragon and lion dance have attracted a large number of athletes to participate in it. Related sports events have continued to increase. The organization and holding of various dragon and lion dance activities and professional events have made great contributions to the promotion and development of dragon and lion dance. made a positive contribution. Henan is an important birthplace of Chinese civilization and a province with a large population. Its profound cultural heritage and large population base provide important guarantees in the process of building a "Healthy China". A large number of people have shown strong interest in dragon and lion dances. The Henan Provincial Government, sports authorities and private organizations have actively organized a series of sports activities and sports events under the guidance of the "Strong Sports Province" strategy.

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Dragon and lion dance competitions of different types and levels have thus formed a popular brand both inside and outside the province and even at home and abroad. Huge influence. The organization and holding of the dragon and lion dance competitions have a very important influence on the local economic development, shaping of social movement atmosphere, construction of a good cultural environment, etc. in Henan Province. While the number and scale of dragon and lion dance competitions in Henan Province continue to expand, some problems have also been exposed. Through communication with organizational managers, relevant experts, and participating athletes, the author found that there are problems in the organization and management of dragon and lion dance competitions in Henan Province. There are problems such as unreasonable organizational structure, low professionalism of contestants, chaotic event organization and management, etc. The organization and management of Henan Dragon and Lion Dance Competition urgently need to be improved and optimized. Scientific evaluation standards can comprehensively summarize and objectively evaluate the event situation, thereby promoting the long-term sustainable development of Henan dragon and lion dance competitions. Through this study, a highly operational evaluation index system was established to lead the healthy development of dragon and lion dance in Henan Province. A complete evaluation system was established based on the literature method and Delphi method to better meet and adapt to the dance of Henan Province. The evaluation needs of dragon and lion dance competitions can not only promote the development of dragon and lion dance competitions in Henan Province, but also provide necessary theoretical and practical support for the organization and management of commercial and mass events of the same type. The construction of an objective and reasonable evaluation system is important for the development of dragon and lion dance sports in Henan Province and even the dragon and lion dance sports in China. Words have profound meaning.

Research Objective

1. Define the evaluation index system of organization and management of Henan Dragon and Lion Dance Competition;
2. Clarify the weights of each index in the evaluation index system of the organization and management of Henan Dragon and Lion Dance Competition.

Research Methodology

1. Documentation Method

The author used online and offline channels such as the library, China National Knowledge Infrastructure, Baidu Academic, Wanfang Data, and Web of Science to obtain literature and information, and consulted a large number of information on sports events, dragon and lion dance activities, project management, and sports event evaluation. Journal articles and dissertations, reading works in related fields and relevant policies and regulations of the Chinese Dragon and Lion Dance Association to determine the theoretical basis of this research.

2. Delphi Method

The Delphi method uses anonymous questionnaires to invite experts and scholars to accept the survey, make personal evaluations of things, give full play to the experience advantages and judgment evaluation capabilities of experts, and ultimately obtain information

and opinions that are closer to actual needs, providing a higher level for the construction of the evaluation system. Reference value guidance. The study invited a total of 15 experts in the field of dragon and lion dance, the person in charge of the Henan Dragon and Lion Dance Association, the person in charge of the dragon and lion dance activity operating company, and senior dragon and lion dance athletes. Based on the information and data obtained through the literature method, we determined the initial indicators related to the organization and management of the dragon and lion dance competitions and compiled the first round of questionnaires. We distributed the questionnaires to all experts and invited experts to rate the importance of each indicator based on their personal cognition and experience. Score and propose corresponding modifications; reorganize the relevant indicators of the questionnaire based on expert opinions and feedback, adjust the questionnaire after completing the second round of indicator revisions and distribute it again, and ask experts to score the importance of each indicator based on their personal views and opinions and propose modifications. Summary collect and organize relevant information to select initial indicators related to the evaluation of the organization and management of dragon and lion dance events, design and distribute the first round of expert questionnaires, and ask experts to rate the importance of the indicators and provide modification opinions. Statistics and summary of the modification opinions put forward by experts in the first round of survey, revision of relevant indicators and feedback of modification opinions with experts, design and distribution of the second round of expert questionnaires, and again inviting experts to provide modification opinions and important opinions on each revised indicator. Degree scoring. Summarize the index evaluation results and feedback from experts, solicit expert opinions and organize discussions to determine whether a third round of questionnaire survey is needed.

3. Analytical Hierarchy Process

The Analytical Hierarchy Process is a research method used for problem decision-making analysis. It refines and decomposes the influencing factors related to decision-making problems into levels such as goals, criteria and methods, and then uses a method of combining quantitative analysis and qualitative analysis to make the goals Complex issues are teased out and broken down. The analytic hierarchy process has been widely used in the calculation of the weight of the indicator system. This study also adopted the analytic hierarchy process in the analysis and calculation of the weight analysis and calculation of the evaluation indicators for the organization and management of the dragon and lion dance competition. First, the overall goals faced by the evaluation objects are determined according to the purpose of the evaluation. Then, after sorting out the overall evaluation indicators, the continuous decomposition is completed, and the specific evaluation goals at each level are determined. After establishing the evaluation index hierarchical model, the study uses scoring and pairwise comparison to establish a finite matrix of judgments at different levels. Finally, a one-time verification is completed, and a comprehensive evaluation analysis is conducted based on the expert scoring results. The verification value $RI < 0.1$ is It can be determined that the evaluation indicators meet the requirements, and the research uses hierarchical analysis to determine the scores of each evaluation indicator and the specific weight coefficients.

Research Instruments

1. Expert team selection

In order to ensure that the opinions, suggestions and opinions given by the expert team are authoritative and that the final evaluation index system for the organization and management of the dragon and lion dance competition is scientific, this study comprehensively selected a total of fifteen experts, scholars, athletes, and Henan Provincial Dancers. The head of the Dragon and Lion Dance Association and the head of the dragon and lion dance competition operating company. These experts with good theoretical knowledge and rich experience form a consulting team. Their research and work are generally related to dragon and lion dance sports and competitions.

2. Design and screening of evaluation indicators

1. Clarify the basic scope of indicators. Documents obtained according to the Documentation Law, especially the relevant regulations and guidance documents of the Chinese Dragon and Lion Association on the organization and management of dragon and lion dance competitions, clearly indicate that the key points of the organization and management of dragon and lion dance competitions should include basic conditions for participation, event safety risks, pre-competition Preparation, match guarantee and post-match services, etc.

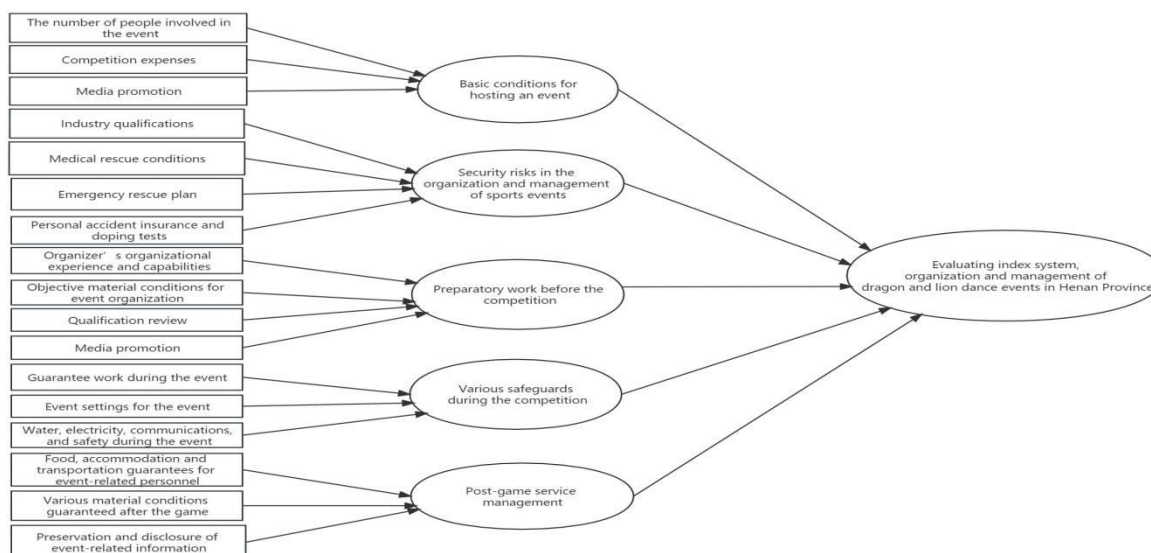
2. Field survey screening indicators. During the research process, the author went deep into the dragon and lion dance competition site in Henan Province, observed and investigated the current situation of the organization, implementation and management of the local dragon and lion dance competition, refined the competition organization and management evaluation indicators and sorted out these indicators, and clarified the affiliation and possible consequences of each indicator. Impact.

3. Consult experts to determine the indicators. The evaluation indicators were adjusted and revised based on the suggestions and opinions of the first round of expert opinions. The second round of expert questionnaires was re-formulated and the survey was carried out again. After counting the expert opinions, the specific evaluation indicators were determined.

4. Give weight to the evaluation indicators. Based on the expert survey results, the analytic hierarchy process is used to calculate and analyze the data mean, and then clarify the specific weight of the indicators.

5. Establish an evaluation index system. After determining the indicators and indicator weights, the organization and management evaluation standards were established, and finally the Henan Dragon and Lion Dance Competition organization and management indicator evaluation system was determined.

Research Conceptual Framework



Research Results

1. Evaluation indicators

After expert interviews and surveys and a comprehensive analysis of various indicators, the evaluation indicators for the organization and management of the Dragon and Lion Dance Competition in Henan Province were determined. The specific indicators are as shown in the following table 1:

Table 1 Evaluation indicators for the organization and management of the Dragon and Lion Dance Competition in Henan Province

First level indicator	Secondary indicators
Basic conditions for participation	Does the competition meet the requirements of national policies and regulations?
	the competition comply with the policies established by the International Dragon and Lion Federation?
	the competition is recognized and approved by the local government
	Whether personnel in important positions have qualifications and training certificates
	the competition have complete competition regulations and implementation plans?
	Competition application certification level
	Whether the level and number of referees meet the requirements for the size of the event
	Do the number of volunteers and security personnel meet the requirements?

Event security risks	<p>Whether a risk prevention and control emergency team has been established</p> <p>Whether to conduct 3,000 third-party security assessments for the competition</p> <p>Is there a targeted medical rescue system for incidents?</p> <p>Do medical ambulances, defibrillators, medical stations, and medical personnel meet the event scale requirements?</p> <p>Complete security, medical, transportation and emergency plans</p> <p>Do the event venue facilities meet the requirements for event size and level?</p> <p>Whether the organizing committee has purchased personal insurance and public liability insurance</p> <p>Whether the athlete has signed the Resource Participation Responsibility and Risk Notification Form and purchased insurance</p> <p>Whether athletes are required to provide physical examination reports</p> <p>Has it caused any negative impact?</p>
Pre-match preparations	<p>Event organizing committee and relevant functional departments</p> <p>Communicate with local government, transportation, safety, and medical and health departments</p> <p>Pre-match media publicity and promotion</p> <p>Event organization experience and capabilities of the organizer</p> <p>Preparation of competition-related certificates, documents and materials</p> <p>Venue facility layout and layout design</p> <p>Complete online service platform</p> <p>Match time and conditions are suitable</p> <p>Athletes registration conditions and qualification review</p> <p>Athletes reporting and material distribution</p> <p>Pre-match technical meeting</p> <p>Pre-match training and drills for relevant personnel</p>
In-race guarantee	<p>Event material preparation status</p> <p>Are event materials delivered in a timely manner?</p> <p>Security work during the competition</p> <p>Communication guarantee during competition</p> <p>Transportation, food and accommodation arrangements for relevant personnel</p> <p>Relevant personnel and vehicle ferry</p> <p>Distribution of event service personnel</p> <p>Competition service site layout</p> <p>Referee enforcement level</p> <p>Volunteer service level</p>

Post-match service	Awards ceremony
	Post-race supporting services
	Evacuation situation
	Equipment recycling and site cleaning and restoration
	Competition document archiving and reporting
	Equipment recycling and site cleanup
	Whether bonuses are paid out and results uploaded on time

Indicator weight

The weight analysis of each indicator can more accurately evaluate the importance of each indicator, thereby improving the scientificity and accuracy of event evaluation, and prompting the dragon and lion dance events to continue to improve the quality of the event to adapt to development requirements. After the evaluation indicators are determined, the analysis of the indicator weights can be completed through hierarchical analysis. Indicator weight values are recorded as decimals between 0 and 1^[6]. Indicator weight distribution is directly related to the evaluation results. Reasonable analysis of indicator weights plays an important role in the entire evaluation system. The indicator weight analysis results of this study are shown in the following table 2:

Table 2 Full weight of evaluation indicators for the organization and management of the Dragon and Lion Dance Competition in Henan Province

First level indicator	Secondary indicators	Weights
Basic conditions for participation	the competition meet the requirements of national policies and regulations?	0.0215
	the competition comply with the policies established by the International Dragon and Lion Federation?	0.0219
	the competition is recognized and approved by the local government	0.0219
	Whether personnel in important positions have qualifications and training certificates	0.0212
	the competition have complete competition regulations and implementation plans?	0.0222
	Competition application certification level	0.0239
	Whether the level and number of referees meet the requirements for the size of the event	0.0198
	Does the number of volunteers and security personnel meet the requirements?	0.0221
Event security risks	Whether a risk prevention and control emergency team has been established	0.0179
	Whether to conduct 3,000 third-party security assessments for the competition	0.0182
	Is there a targeted medical rescue system for incidents?	0.0183

	Do medical ambulances, defibrillators, medical stations, and medical personnel meet the event scale requirements?	0.0194
	Complete security, medical, transportation and emergency plans	0.0191
	Do the event venue facilities meet the requirements for event size and level?	0.0183
	Whether the organizing committee has purchased personal insurance and public liability insurance	0.0169
	Whether the athlete has signed the Resource Participation Responsibility and Risk Notification Form and purchased insurance	0.0186
	Whether athletes are required to provide physical examination reports	0.0186
	Has it caused any negative impact?	0.0181
Pre-match preparations	Event organizing committee and relevant functional departments	0.0166
	Communicate with local government, transportation, safety, and medical and health departments	0.0159
	Pre-match media publicity and promotion	0.0145
	Event organization experience and capabilities of the organizer	0.0159
	Preparation of competition-related certificates, documents and materials	0.0152
	Venue facility layout and layout design	0.0155
	Complete online service platform	0.0149
	Match time and conditions are suitable	0.0166
	Athletes registration conditions and qualification review	0.0151
	Athletes reporting and material distribution	0.0151
	Pre-match technical meeting	0.0151
	Pre-match training and drills for relevant personnel	0.0164
In-race guarantee	Event material preparation status	0.0211
	Are event materials delivered in a timely manner?	0.0192
	Security work during the competition	0.0199
	Communication guarantee during competition	0.0211
	Transportation, food and accommodation arrangements for relevant personnel	0.0195
	Relevant personnel and vehicle ferry	0.0181
	Distribution of event service personnel	0.0180
	Competition service site layout	0.0182
	Referee enforcement level	0.0181
Post-match service	Volunteer service level	0.0183
	Awards ceremony	0.0239
	Post-race supporting services	0.0228

	Evacuation situation	0.0287
	Equipment recycling and site cleaning and restoration	0.0281
	Competition document archiving and reporting	0.0298
	Equipment recycling and site cleanup	0.0281
	Whether bonuses are paid out and results uploaded on time	0.0298

Discussion

This study sorted out the concepts related to the evaluation indicators of the organization and management of the Dragon and Lion Dance Competition in Henan Province, clarified the importance of sports event management, determined the evaluation indicators based on existing literature and expert survey results, and used the Delphi method to make reasonable adjustments. The preliminary indexes were determined and the final evaluation indexes were established, and a quality management evaluation model for dragon and lion dance competitions was established; then the weight calculation and analysis of each index was completed by using the analytic hierarchy process to calculate the average value of expert scores, and finally formed a complete The evaluation index system, the specific research conclusions are as follows:

1) A preliminary evaluation index system was established by screening and summarizing the contents related to the organization and management of dragon and lion dance competition in literature and the results of preliminary expert interviews. The evaluation index covered five first-level indexes, including the basic conditions for the competition, the security risk of the competition, the pre-competition preparation, the guarantee during the competition and the service after the competition, and there were different second-level indexes under each first-level index. Such as the level of the competition application certification, whether there is a targeted medical rescue system for the event, the event organizing committee and relevant functional departments, transportation and accommodation arrangements for relevant personnel, equipment recycling and site cleaning and restoration, and so on. This is in high consistency with the research conducted by He Tianchang et al., which also pointed out that the basic conditions for competition, the security risk of the event and the pre-competition preparation are important evaluation indicators ^[2].

2) According to the actual needs of this research and the principle of Delphi Method, two rounds of investigation were conducted on the evaluation indicators obtained in the primary election, and appropriate adjustments were made to the primary election indicators, and finally five first-level indicators were established, including basic conditions, event security risk, pre-competition preparation, in-competition guarantee and post-competition service. There are a total of 47 second-level indicators, such as the level of certification applied for the competition, whether there is a targeted medical rescue system for the event, the event organizing committee and relevant functional departments, transportation and accommodation arrangements for relevant personnel, equipment recycling and site cleaning and restoration. Li Dongbiao's research clarified the important significance of the development of dragon and lion dance competitions for the inheritance of sports, and the establishment of the evaluation index system played a positive role in promoting the quality improvement of dragon and lion dance competitions ^[3]. Fang Jinhua's research shows that the government plays an important role in

the organization and management of events, and this result also shows that the government plays a prominent role in the organization and management of dragon and lion dance events ^[4].

3) Analytic hierarchy process is adopted to analyze the weights of primary and secondary indicators at each level. Each primary indicator is ranked in order of importance as in-competition guarantee, pre-competition preparation, event security risk, basic conditions for competition and post-competition service. Among the secondary indicators, the more important ones are the filing and reporting of competition documents, whether the bonus is paid on time and the performance equipment is uploaded, equipment recycling and site cleaning, the level of competition application certification, whether the competition has perfect competition procedures and implementation plans, and whether the personnel in important positions have qualifications and training certificates. In Liu Jing's research, event security risk is regarded as the most important factor affecting the market development of ethnic traditional sports events, which is also consistent with the results of this study and the weight analysis of first-level indicators. Event security risk is the item with the highest weight among all first-level indicators ^[5].

Recommendations

The research results are of positive significance to the evaluation and optimization of the organizational management of dragon and lion dance competitions in Henan Province. Governments at all levels and event organizers in Henan Province should actively apply the evaluation system and take it as an important basis for evaluating and guiding the organizational management of dragon and lion dance competitions. At present, the dragon and lion dance competition in Henan Province is still in the development and initial stage. Due to the lack of theoretical research and practical research results on the organization and management evaluation system of dragon and lion dance competition, and many event organizers and organizers have not disclosed relevant materials and data, the available reference materials on the organization and management evaluation index of dragon and lion dance competition are extremely limited. In the study, the results of other similar events were referenced. In order to ensure that the screening and evaluation of indicators have stronger operability, it fails to cover all aspects of government regulation. At present, the research results have not been concretely applied to practice, and the effective verification of different dragon and lion dance competitions has not been realized, which is also a pity of this research. Therefore, I hope to conduct empirical research for specific projects in the future, effectively test the effectiveness of the evaluation index system of the organization and management of the Dragon and Lion Dance competition in Henan Province, and promote the healthy, stable, safe and efficient development of the dragon and lion dance competition.

References

- Liu Yang & Liu Jian. (2023). Realistic dilemmas and relief strategies for the inheritance of dragon and lion dance in colleges and universities in Gansu Province under the background of a sports power. *Contemporary Sports Science and Technology*. (33), 118-120.
- He Tianchang, Song Tienan & Huang Juan. (2023). Research on service quality evaluation of mass sports events based on SERVQUAL-IPA model. *Journal of Physical Education*. (03), 62-69+95.
- Li Dongbiao. (2021). Exploration of the inheritance and value of dragon and lion dance in traditional Chinese culture - Comment on "Dragon and Lion Dance Teaching and Training". *Journal of Tropical Crops*. (05), 1515.
- Fang Jinhua. (2020). Performance evaluation and optimization research on government purchase of sports event services based on Fuzzy-IPA. *Zhejiang Sports Science*. (04), 44-50.
- Liu Jing. (2013). Research on the market development theory of traditional national sports events - taking dragon and lion dance as an example. *Shaolin and Tai Chi (Zhongzhou Sports)*. (12), 39-41.