

# ***Inheritance and Evolution of Dragon Boat Culture in Jiangxi Province under Big Data Environment***

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**Abstract:** With the rise and rapid development of mobile communication, intelligent terminals and big data technology. We are entering the era of big data. Social development is fast, people's living standards have been significantly improved, people receive information very quickly, people began to pay attention to various events, at the same time, people will also pay attention to many sports events with traditional national sports characteristics, Dragon Boat sports naturally into view of people. Dragon Boat-related sporting events have also had a profound impact around the world. This paper mainly introduces the inheritance and evolution of the Dragon Boat culture in the villages of Jiangxi Province under the environment of big data. Using the big data environment to carry out research on the inheritance and evolution of Dragon Boat movement and traditional culture. The experimental results show that under the big data environment, the inheritance and evolution of Dragon Boat culture in the villages of Jiangxi Province have improved the efficiency of cultural exchange. Due to the limitations of the design of Dragon Boat cultural heritage in Jiangxi Province, the methods and ways of Dragon Boat cultural heritage are analyzed, discussed and summarized, and the research results are enriched.

## **1. Introduction**

The nation of Chinese is a nation with a long history. Five thousand years of historical accumulation and deposition, creating a great ancient traditional culture. The Chinese nation has a rich traditional culture, in which the Dragon Boat movement is also in it and has a long historical period, and has great influence. In the beginning it was a ritual of sacrifice or witchcraft. Later, "Qu Yuan spirit" appeared, the Dragon Boat movement gradually out of the original divine color, and gradually become a symbol of people's sacrifice of loyalty. Dragon Boat culture after thousands of

years of wind and rain, not like some traditional national traditional sports activities gradually disappeared. On the contrary, it slowly carried out the so-called modernization adaptation; it became a formal competition, held many times in the country at the national level competition, but also rushed out of the country, to the world. The sport continues to be passed down in the village, but many problems are encountered in the heritage. With the rapid development of science and technology and the extensive coverage of the Internet, the inheritance and protection of Dragon Boat culture is becoming more and more important. Village Dragon Boat cultural protection and the construction of a better new countryside under the guidance of the government, and gradually survived, but in the process of survival, in order to adapt to social development, has produced many corresponding adaptive changes. In addition to attracting private capital investment or to stimulate the investment of villagers, government departments should also strengthen the protection and inheritance of the village Dragon Boat movement, for example, can promote the village Dragon Boat movement into a village tourism highlights, in order to promote the local economy, so that the local government and local villagers to achieve a win-win situation, the realization of the community of interests. For example, the development of village Dragon Boat movement is more typical of Jiangxi Yichun Zhu Luo village; Sangong Temple and Yingtan's Ximen village, the development of these villages are encountering the difficulties of inheritance and development, and how to adapt to this rapid development of modern society.

The innovation of this paper is to put forward the inheritance and development of Jiangxi rural Dragon Boat culture under the environment of big data. The purpose of the study is to study the inheritance and transformation of the Dragon Boat culture in Jiangxi village under the big data environment, and to study the great value related to the Dragon Boat culture in the village. Village Dragon Boat Culture Movement, it is a traditional and national sports, originated in China's vast villages. Its derivative process is greatly related to witchcraft, religion, national heroes and competitive sports, thus forming its peculiar culture. The Dragon Boat culture in the village has positive reference and reference value for exploring the history, religious history and Dragon Boat history of the Chinese nation.

## **2. The origin of Dragon Boat culture**

### **2.1. The origin of the Dragon Boat**

According to historical records, the ancestors of Zhu Luo village are said to be descendants of the Jiangxi, Guangxi and Hunan Baiyue tribes of the Eastern Zhou Dynasty, when the original tribes were totems of dragons. Qu Yuan, a patriotic poet, was dissatisfied with the various internal and external measures of the government at that time, and after writing the famous poem "Leaving the Sorrow", he put his feelings of worry about the country and the people into the Boro River. At that time, the whole Chu state was plunged into grief, and the people of Chu spontaneously rowed to the river to worship the patriotic poet. They poured a lot of food, chicken, duck and fish, and so on into the river, praying that the shrimp soldier crabs in the river would not hurt Qu Yuan, and praying that the dragon god in the water would be kind to the poet. In this ceremony, people gradually dressed up the ship as the form of a dragon, as a sign of awe of the Dragon Boat. Later people turned the boat into a Dragon Boat. People have organically combined the Dragon Boat ceremony with the custom of commemorating Qu Yuan, and the annual Dragon Boat Race has evolved into the national traditional custom of Dragon Boat race. And the Dragon Boat movement has been widely loved by the people.

Dragon Boat Festival day, people in the river in the river Dragon Boat race, forming the

prototype of the current Dragon Boat race. The village of Zhu Luo was under the jurisdiction of Chu, and under this historical background, the Dragon Boat Movement of Dragon Boat Festival was further developed in the original Dragon Boat Festival custom. And continues to this day. To this day, the people of Juro village still adhere to the usual piety and worship of dragons, which are invisible and invisible animals. People hope that through the Dragon Boat race to worship their gods, dragons, hope gods, dragons can bless them, so as to look forward to a harvest year. Dragons are also thought to be ferocious beasts that can help people drive away monsters and ghosts around their homes and wish their families safety when they are engaged in production activities abroad. The Dragon Boat Movement has brought the villagers into the blood of the village, and the Dragon Boat Movement has become a traditional custom. The appropriate application of this function can design an effective algorithm, which has the following forms for the inheritance and evolution of Jiangxi Dragon Boat culture in the big data environment.

$$\min f(X) = w_1 f_1(X) + w_2 f_2(X) + \dots + w_i f_i(X), X \in \Omega \quad (1)$$

The calculated values of the algorithm are as follows:

$$g_k(X) \geq 0 (i = 1.2.3...k) \quad (2)$$

The test should use the following formula:

$$3I_{02} = I_{A2} + I_{B2} + I_{C2} = 3U_0 j \varpi C_{02} \quad (3)$$

## 2.2. History of the Development of the Dragon Boat Movement in Jiangxi

During the Cultural Revolution of 1966, the fate of the village Dragon Boat movement took a turn. There were many old objects of heritage, including the Dragon Boat, which was destroyed in the frenzy of the Cultural Revolution. In Yichun at that time, there were nearly 400 Dragon Boats, the village Dragon Boat activities also disappeared. It was not until 1971 that some Dragon Boat movements slowly began in some of the more remote villages. The characteristics of the development of the Dragon Boat movement at that time were not good, far from before. By 1977 the Dragon Boat Movement had recovered one after another, and by 1979 it had become a relatively large scale. According to statistics, at that time Yichun has more than 500 Dragon Boats, each time to watch the Dragon Boat race to 100,000 spectators. At that time, all kinds of Dragon Boat race have been very good development, correspondingly, Jiangxi village Dragon Boat has also been developed. By 1988, the first Dragon Boat Invitational in Jiangxi Province was held in Yichun. Jiangxi Province's Dragon Boat Association was founded in 1992, this time Jiangxi's Dragon Boat movement development has entered a period of rapid development. Jiangxi not only participated in the league, and in the province also for the first time interested in running a Dragon Boat international competition, inviting the vast number of international friends to Jiangxi to carry out Dragon Boat competition. In 1993, overseas Chinese also began a series of Dragon Boat sports in China, such as the "Yan Huang Cup." It was not until 2005 that another Dragon Boat smash occurred, in which the village of Ximen in Yingtan, Jiangxi Province, inevitably caused casualties in the course of the competition, and the local government "banned it". At that time in the local depression for several years, and then the Dragon Boat movement slowly recovered. Explain that the Dragon Boat in the local community is very popular, vitality is still very tenacious.

### 3. Jiangxi Village Dragon Boat Movement

#### 3.1. The Morphological Characteristics of the Dragon Boat

The Dragon Boat movement in Zhu Luo village was born and developed in accordance with the traditional customs of Dragon Boat during the Dragon Boat Festival in Jiangxi Province. Because of the influence and heritage of the region, the Dragon Boat in Jiangxi Province has little difference in form. Most of them are long-shaped, narrow Dragon Boats, Dragon Boat bows are generally equipped with a long and delicate carved tap by wood, very powerful, the stern is the dragon tail.

The total length of the Dragon Boat does not necessarily range from 7 meters to 30 meters. There are 9 sizes, 17, 21, 25, 27, 29, 31, 36 and 39, respectively. But no matter what kind of Dragon Boat, it must be equipped with drummers, gongs and drummers and helmsmen, and sometimes there will be people playing instrumental music. With the development of society, there is basically no Dragon Boat movement for the purpose of dragon sacrifice, the main pursuit of entertainment and leisure, so whether the Dragon Boat is a dragon shape is not so important.

#### 3.2. Dragon Boat Culture History

Dragon Boat Festival as a traditional festival of the Chinese nation, every year Dragon Boat Festival has a lot of traditional customs. Dragon Boat Festival is celebrated in most parts of the country. Celebrate when the local to drink male yellow wine, people think that drinking "male yellow wine" can banish the disease, the virus does not invade. In some places, children have colorful ropes around their necks, "green, red, white, yellow, black" five colors, which are considered auspicious colors. In some places, herbal showers are used to remove scales and diseases. The place to eat varies from place to place. Most places eat mainly hazelnuts wrapped in leaves. Most villages in Jiangxi also eat salted duck eggs. After lunch, the highlight of the Dragon Boat Festival began - the Dragon Boat Race.

Today's society is the era of information explosion, all kinds of information exchange is very rapid, people's understanding of sports events is also very convenient, accordingly, sports events on people's influence is growing. The traditional village Dragon Boat race is gradually changing to a highly competitive Dragon Boat race. However, in order to survive the Dragon Boat movement, the Dragon Boat movement, especially the village Dragon Boat movement must evolve, otherwise it can not survive. For example, to unify the rules of the competition, unified competition Dragon Boat specifications, including length size and materials, etc. have to be changed accordingly, as well as the operation of the Dragon Boat race, etc., all tend to internationalization. The traditional Dragon Boats handed down by the Chinese nation from ancient times to the present are generally made of wood, which takes many forms and has different wood. And the contemporary competitive Dragon Boat movement is slowly affecting this diversity. Many villages in Jiangxi Province have retained the traditional customs of Dragon Boat sports during the Dragon Boat Festival. However, in many remote places, especially in mountainous areas, for practical reasons, the income of the people in the villages is low and the living conditions of the people are relatively difficult. With the development of social economy, the income generated by farmers who have worked hard in the fields for a year is far from meeting the various expenses of modern life. Building new homes at home and relying solely on income from family farming are no longer enough. In order to improve their lives and improve their quality of life, many young adults have to go out of the countryside and into towns to earn a living to supplement their family expenses. As a result, the number of young people who are now staying in the village to engage in agricultural labor, as well as to

participate in Dragon Boat races, inherit Dragon Boat culture is less and less, and the villagers who remain in the city are basically rarely returned to the village, the village young people are fewer and fewer, the Dragon Boat movement will not be able to pass on, the village Dragon Boat movement folk traditional culture will gradually be forgotten, as shown in Table 1.

Table 1. Comparison of several wireless data transmission methods

Brand influence	Subject influence	Group influence
Market share	Popularity	Grassroots
Social reputation	People-oriented	Ecological design
Develop innovation	Innovation in teaching and innovation in scientific research	Innovation in practice and education

## 4. Dragon Boat Movement Cultural Heritage

### 4.1. The heritage of Dragon Boat culture

The history of the Chinese nation has numerous splendid folk traditional culture, however, due to the past underdeveloped science and technology, resulting in a long history and culture without written records, completely by word of mouth, in the passage of time, many folk traditional culture has been marginalized, or even lost heritage. Dragon Boat culture in the Chinese nation has existed for thousands of years of history, thousands of years of wind and rain, still maintain a huge impact, people still have a great enthusiasm for it, which has to admire her has a strong vitality. This is mainly due to the charm of the Dragon Boat movement itself, the masses of people can love the sport from the heart, it can meet people's psychological and physical needs. As a kind of spiritual support, the Dragon Boat movement can meet people's spiritual needs and inspire themselves to continue to work hard, unite and collaborate, help each other, overcome difficulties and face difficulties. At the same time, people also need traditional culture to educate their next generation, let the heroes in history to inspire the next generation, let the hero's deeds and emotions to influence the next generation, so that they can let this folk culture passed down from generation to generation, even if there is no written record, even if it is passed down through word of mouth.

The results are shown in Figure 1.

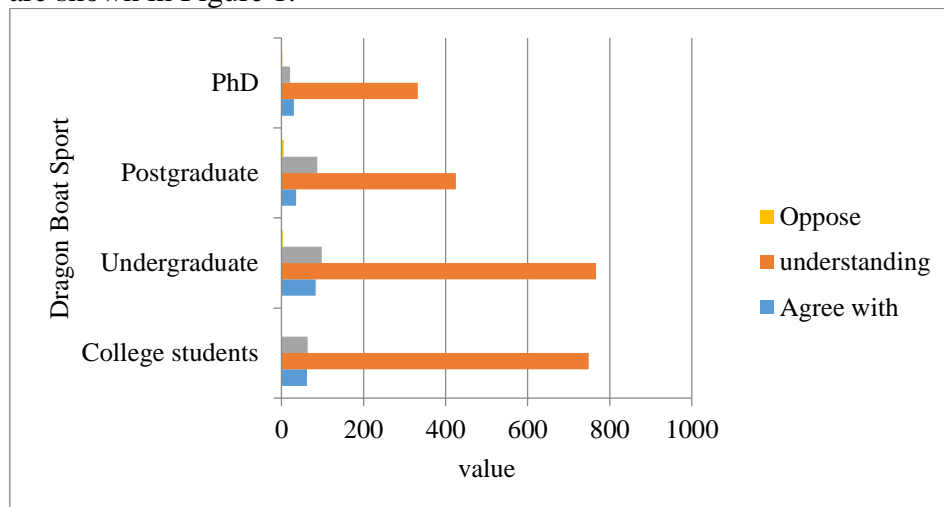


Figure 1. Spiritual and cultural statistics

#### 4.2. Development of Dragon Boat Culture in Jiangxi Village

Village Dragon Boat movement in the Chinese nation has a long history, after thousands of years. Dragon Boat in the course of historical development has indeed suffered many difficulties, many parts of the country have done work related to the protection of Dragon Boat, this is worth learning. The village of Juro has an inherent geographical advantage close to Qingfeng Mountain, streams and streams. It has hundreds of years of traditional folk Dragon Boat movement; the villagers have been integrated into the Dragon Boat movement's persistent love. Villagers hope that the Dragon Boat movement can continue to develop, the local protection of Dragon Boat culture, there is a solid hardware and software foundation. One by one similar "ban on ships" and "smashing Dragon Boat" incidents were removed one by one, which is mainly the support and attention of the local government. At the same time, to unite the masses, so that the local Dragon Boat tradition can be organized to carry on, re-create the Dragon Boat movement, the local Dragon Boat culture under the intervention of the government, indeed significant effect. The results are shown in Table 2.

Table 2. The Statis table of the sample library

Year	Each student	Student teaching room	Sanitation	Student reading
2018	70.9	12.3	5544	85.2
2019	69.9	12.5	5513	74.4
2020	68.0	13.5	5761	69.0

Many villages in Jiangxi Province have retained the traditional customs of Dragon Boat festival, which is the day of the Dragon Boat race. As the number of young people entering the city to work is increasing year by year. There are fewer young people, and most of the people who stay in the village are old people, and these traditional folk cultures will be unheralded. In the contemporary city, bustling and noisy, colorful, in this environment is not suitable for the development of Dragon Boat movement, Dragon Boat movement custom culture here will not survive. The results are shown in Figure 2. When the number of times is the same, as the number of sample data increases, the support rate of Dragon Boat customization increases significantly.

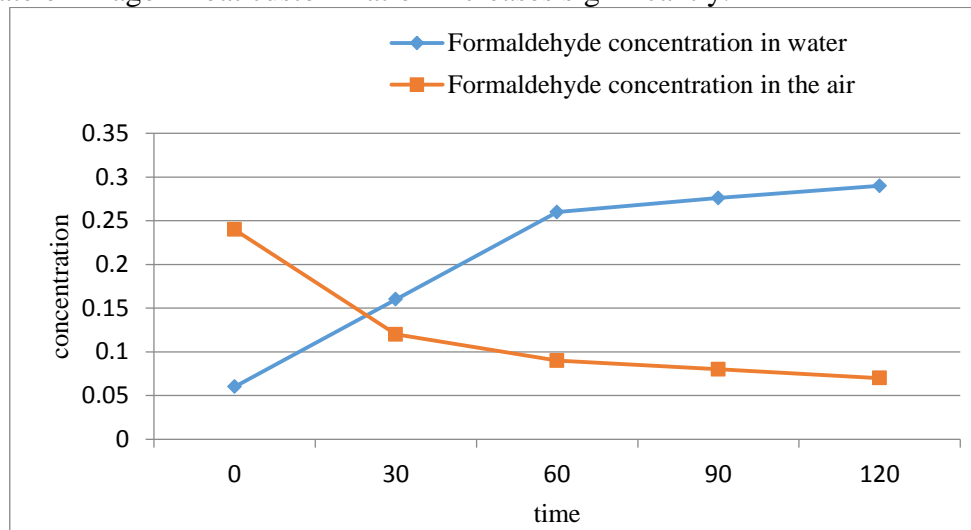


Figure 2. Cultural statistics



## 5. Conclusion

With the development of modern society, the village Dragon Boat has produced a series of changes in order to adapt to the modern society. Mainly reflected in the following aspects: (1) the production material has changed, the Dragon Boat from wood production into reinforced plastics glass fibre; (2) the survival background has changed, from the village Dragon Boat race to the modern Dragon Boat race; (3) the organizational form has changed, from the original village convention into government intervention; (4) the original intention of the race has changed from a pious and solemn sacrifice into a modern competition. The whole transformation lacks the cultural connotation and cultural heritage. There are still many defects in the study of Jiangxi village Dragon Boat culture in heritage and evolution under the conditions of the big data environment, And due to space and personal abilities, there are still many problems with Jiangxi's rural dragon boat culture. The inheritance and evolution of Jiangxi's rural dragon boat culture needs more research and in-depth study.

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## Data Availability

Data sharing is not applicable to this article as no new data were created or analysed in this study.

## Conflict of Interest

The author states that this article has no conflict of interest.

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