



Research Article

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Chinese sports dance regional development features and influences differences research

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ABSTRACT

China has vast territory and abundant resources, its culture has a long history, and all living things are majestic and grand as bright as stars. Each place customs and practices are different, in orderly rows and inclusive; each region people and materials have their merits, have a great variety of fantasies while winding and beautiful; it seems to have hundreds of features and tends to abundant. The paper through numerical analysis of Chinese sports dance popularization status in each region of China, carries out table analysis of sports dance participants respectively from “adults”, “youth”, “teenager” and “old” these four age phases, it can get Chinese number of people that accept foreign culture(sports dance) and popularization status and further get that Chinese each region has different styles, acceptance degrees are different, and fondness degree on sports dance are also different.

Key words: numerical analysis, sports dance, cultural differences, regional distribution, mass fitness, physical health

INTRODUCTION

Sports dance is also called international standard ballroom dance it as a kind of double cooperative sports exercise event, uses technical dance steps and artistic presentation to present different styles and high level dance performing form. Sports dance development has gone through ‘primitive dance—public dance—folk dance—palace dance—ballroom dance—old international standard ballroom dance –new international standard ballroom dance’ these stages development. The predecessor of sports dance is ballroom dance, corresponding sports dance development can divide into two stages: the first stage is American royal sports dance professional teachers association has sorted dances at that time, normalized and systematized dance postures and dance steps. The second stage development is called “Tango”, “Jig”, “Rumba” and others these named as general international ballroom dances that are also called as general sports dances [1-5].

Sports dance is a kind of sports event with two people mutual cooperation, their general definition is that man and woman two people compound as a pair of partners to fulfil a dance. In order to let Chinese sports dance to be able to get good results in international large-scale competitions, since sports dance being introduced to China, it has been well-received by national people, and let sports dance to be thrived in China. Presently, number of people that participant sports dance in every province of China has grown every year, sports dance as a kind of Chinese newly-developed sports events, sports dance has been rapidly developed in shortly dozens of years, and enriched Chinese people spiritual life, therefore, China set up sports dance association, and organized three times international main competitions and twelve times sports dance national championships, and invited international famous chief examiners to lecture in china and introduce experiences for many times [6-10].

With regard to this, Chinese sports dance has also got certain attainments in large-scale competitions. For example, in Bangkok Asian Games, Chinese sports dance event players got excellent results as the second and the third in “modern dance”, and the third in “Latin dance”. Such good results also mean that Chinese sports dance has further

developed from edge, we believe Chinese sports dance will have a higher leap soon in future here.

MODEL ESTABLISHMENT

Numerical analysis algorithm, as a mathematics subordinate discipline, it widely applies data statistical analysis, it mainly analyzes and researches on relative mathematics solution with computer, is a subjective part in computational mathematics.

Applied research uses computer to solve corresponding engineering calculation and all kinds of disciplines' numerical analysis algorithm (approximate evaluation method), make evaluation on solved result accuracy and how to realize its solution process in computer and so on. In numerical analysis method, all kinds of numerical values have been widely used in management science, information science, science and engineering calculation, life science and other inter-disciplines [11-13].

Numerical analysis algorithm calculation

For sports dance numerical analysis algorithm, it mainly makes comparative analysis of northeast China region, north China, eastern China, central China, south China, southwestern China, northwest China region these seven regions. In sports dance internationalization process, China every region due to local region customs and practices differences, it causes certain impacts on sports dance fondness degree and impact degree.

Chinese sports dancers distribution in each province and city not only can show the sport event organization and popularization status in the region to some extent the paper makes classification statistics on present 63002 sports dancers according to "adult", "youth", "teenager" and "old", its result as Table 1.

Table 1: Chinese sports dancers' amount distribution

Region	Adult	Youth	Teenager	Old	Total	Dance fitness population(ten thousand people)
Beijing	2000	860	2560	200	5620	120
Tianjin	840	130	930	60	1960	78.6
Shanghai	1176	446	2086	188	3896	130
Heilongjiang	900	80	150	0	1130	160
Jilin	200	326	1230	52	1808	174.3
Liaoning	960	260	1200	100	2520	335
Inner Mongolia	120	30	200	0	350	42
Hebei	526	78	998	12	1614	153
Shandong	1274	224	1994	98	3590	375
Henan	656	122	1434	34	2246	268.4
Jiangxi	876	58	998	26	1958	169
Shanxi	258	96	992	0	1346	171
Shanxi	220	54	128	0	402	98.6
Hunan	1643	96	992	62	2793	254.7
Hubei	1768	230	1480	98	3576	342.8
Anhui	2468	352	2226	190	5236	300
Jiangsu	2980	780	2576	306	6642	420
Zhejiang	634	56	798	22	1510	344
Guangxi	780	98	948	32	1858	59.7
Guangdong	3200	700	3500	200	7600	360
Qinghai	24	8	72	0	104	2
Xinjiang	150	60	80	0	290	46
Tibet	0	0	0	0	0	0.2
Yunnan	732	44	778	88	1642	82
Sichuan	338	78	686	46	1148	357.7
Guizhou	88	30	164	0	282	71.6
Gansu	30	2	120	0	152	37
Fujian	126	36	456	20	638	153
Chongqing	774	66	998	12	1850	148
Ningxia	0	0	0	0	0	1
Hainan	0	0	0	0	0	2
Total	25732	5350	30074	1846	63002	5256.6

(Data source: Zhao Li and others questionnaire survey statistical results)

Northeast China region sports dancer statistical analysis

Northeast people (here refers to Heilongjiang, Jilin, and Liaoning three provinces).It originates from ancient north barbarians tribes, slightly with the blood of Xianbei nationality. Subsequent rise from prosperity of Manchu, mainly become common in the republic of China. Northeast people has emerged many famous people in history. Such as Zhang Xue-liang, Nurhachi, Zhang Zuo-Lin and so on. Northeast people forthright nature, passion and publicizing, actually is to be true to one. However, though they are robust, brain lacks of development, it is typical simple brain and strong limbs, so that northeast people has become weapons of the intelligent people in history, so that it also has northeast army overawed China.

With regard to this, make classification statistics of northeast three provinces “adult”, “youth”, “teenager” and “old” their sports dance participation status, and sort the data as Table 2.

Table 2: Northeast China region sports dance popularization status

Region	Heilongjian g	Jilin	Liaonin g
Adult	900	200	960
Youth	80	326	260
Teenager	150	1230	1200
Old	0	52	100
Total	1130	1808	2520
Dance fitness population(ten thousand people)	160	174.	335

Correspond to above data, it makes broken line chart, as Figure 1.

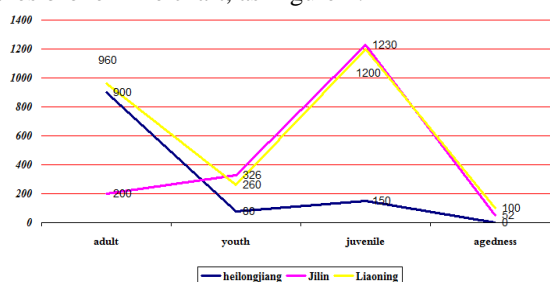


Fig. 1: The popularity of sports dance in northeast China

From above analysis, and combine with northeast people characters here it gets in northeast three provinces Heilongjiang only adult is more during “adult”, “youth”, “teenager” and “old”, and “youth”, “teenager” and “old” occupied number of people is little.

North China sports dancer statistical analysis factor analysis

North China includes Beijing, Tianjin, Hebei, Shanxi, Inner Mongolia these provinces and cities. North China people are originates from upper cave man; it has ancient background and history. Beijing belongs to Yan, Zhao region in history, it has many famous people. While “Snow in summer” author Guan Hanqing is also north China people. Beijing is also ancient capital in some dynasties, but famous people of China are mostly in Beijing. North China people are pride on royal place of interest in Yuan, Ming and Qing Dynasty, and more pride on the rising of five starred red flag in Tiananmen Square. Beijing conquers are not native people in Beijing but all heroes from each place in the world.

Tianjin, Shan Xi people also originates from upper cave man. Beijing and Tianjin don’t separate since ancient times, customs and human feelings are basic the same, Tianjin due to narrow region, it belongs to the place of Kingdom Yan in history. Tianjin people are bright and generous, satisfied with existing status and make no attempt to make progress. But Tianjin people are naturally humorous, it had their created humorous “Ear-hole fried cakes”, “Goubuli steamed buns” and “Tianjin hemp flowers”, besides it had famous comic dialogist Ma San-Li “Teasing you” since ancient times . In addition Tianjin native dialect also has its features that are original and full of magnetism. Though the place is not big, traditional customs have been assimilated by foreign nationality, which worth rejoicing. And Shanxi is one of Chinese civilization origins central regions. There is common saying that calls Shanxi people as “nine cents and nine”. It shows Shanxi people are very mean. Shanxi people character is complex and various. Timid, reserved, shy of expressing but also brave, indulgent and with great dedication. Shanxi people also love drinking vinegar, so Shanxi people more love “eating vinegar”.

With regard to this, make classification statistics of north China five provinces “adult”, “youth”, “teenager” and “old” their sports dance participation status, and sort the data as Table 3.

Table 3: North China sports dance popularization status

Region	Beijing	Tianjin	Inner Mongolia	Hebei	Shanxi
Adult	2000	840	120	526	258
Youth	860	130	30	78	96
Teenager	2560	930	200	998	992
Old	200	60	0	12	0
Total	5620	1960	350	1614	1346
Dance fitness population(ten thousand people)	120	78.6	42	153	171

Correspond to above data, it makes broken line chart, as Figure 2.

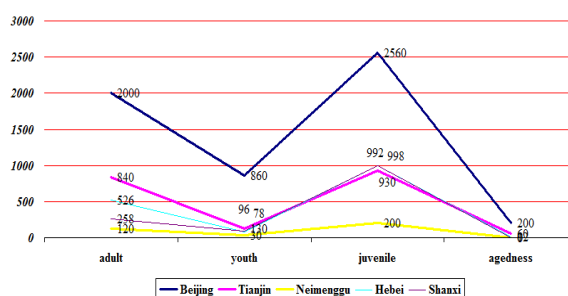


Fig. 2: In China the popularity of sports dance

Correspond to above analysis, it is clear that north China sports dance popularization best situation is in Beijing, secondly is Tianjin, the worst popularization status is in Inner Mongolia.

Eastern China sports dancer statistical analysis

Eastern China contains Fujian, Shandong and other provinces. In Chinese history, many ideologists and philosophers are mostly Shandong people, and their spiritual force is Confucianism, which is also used as their pride. “Supreme in five holy mountains”—Mountain Tai location is in Shandong, there were a legend “Mounted to Mountain Tai and the world gets smaller”. Due to Shandong people thought is conserved and restrained, they love to use spiritual victory method, despise actual thought better than idealism, and they don’t lack of surpassing thought. In addition, Shandong people appearance features are tall and strong, Shandong women’s feet size is twice that of Yangtze River women. Shandong men are mostly straight and tall but handsome ones are fewer. Shandong beauty is fewer, even one is beauty, as long as speaks native dialect, it will be also astonishing. Shandong people have a fancy for making brew, but what they made are mostly faints. Shandong people love eating garlic, spring onions and other strong food; therefore, most of Shandong people have disease of bad breath, but with strong body.

Jiangsu and Zhejiang people, firstly talk about Jiangsu people, grand and gentle. Suzhou garden (Jiangsu) is well known to all far and near, though floor area is not big, it is small and exquisite. Delicate curving lets people to praise it as extremely fine craftsmanship. Therefore, Jiangsu people were thoughtful and cautious since ancient times, but their conduct in life is also hard to fathom by others. Deft and full of aesthetic sensation’s Jiangsu women made a living in the country with Suzhou embroidery reputation. And Zhejiang men mostly have the look of women, gentle words and fastidious behaviors. Good reputation of Jiangsu is spread around the world, just “there is a paradise in heaven, while there are Suzhou and Hangzhou in China”, and it fascinates people. Jiangsu and Zhejiang areas beauty, voice is clear and melodious as rings; skin is smooth as jade texture, which really let people to feel hard to forget.

Shanghai people are orthodox heirs of Wu and Yue, and also contain each kind of elites of barbarians. For Shanghai, there is no history to pursue. Therefore, Shanghai is not only the desert of culture, and also the barren island in the history. Since it was forced to open in middle and end of 19th century, it led to lots of merchants gathered in Shanghai, economy and trade have been rapidly developed. Together with foreign barbarians fought for places in Shanghai, local each kind of big person went along for the tide. Therefore it developed Shanghai into “Oriental New York”, modern industrial scale is grand. Shang native people is naturally cunning, craft despising all, and doing well in currying favor, tart and mean, love gaining petty opportunities, exclusive and overestimate themselves. But lots of success people appeared in Shanghai, they are not native people, just some outlanders utilized local advantages.

With regard to this, make classification statistics of north China five provinces “adult”, “youth”, “teenager” and “old” their sports dance participation status, and sort the data as Table 4.

Table 4: Eastern China sports dance popularization status

Region	Shanghai	Shandong	Anhui	Jiangsu	Zhejiang	Fujian
Adult	1176	1274	2468	2980	634	126
Youth	446	224	352	780	56	36
Teenager	2086	1994	2226	2576	798	456
Old	188	98	190	306	22	20
Total	3896	3590	5236	6642	1510	638
Dance fitness population(ten thousand people)	130	375	300	420	344	153

Correspond to above data, it makes broken line chart as Figure 3.

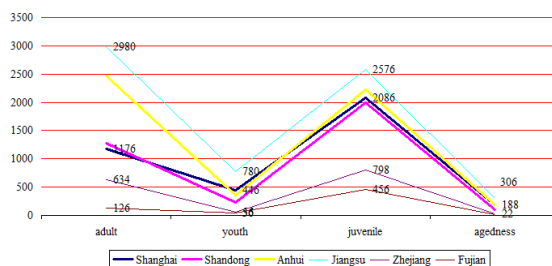


Fig. 3: The popularity of sports dance in east China

Correspond to above analysis it is clear that eastern China overall status is better, eastern China due to its better geographic positions, contacting sports dance items are more, so overall sports dancers are more.

Central China, south China sports dancer statistical analysis

Central China and south China contain Hubei, Jiangxi and others seven provinces. Character analysis is as following, Henan people—Central plains orthodox in Yellow River basin. Henan has profound history, deep cultural background. Over the long history, Emperor Zhao had ever took along with million Henan mass escaped Kingdom Jin, and carried out a large scale transferring to the south. Therefore, modern Jiangsu and Zhejiang areas most forefathers were Henan people. In history, Henan people suffered tribulation and hardships. Henan located central plains that was in the fort, was a hotly contested spot of each army since ancient times, constantly suffered chaos of wars, and so that led to Henan people escaped to everywhere. Now Henan people widely spread every province and city in China, which is also a kind of human conquering way. And Henan people have left bad overall impressions to people since opening –up and reform. Fairly, it was just some bad meat let a great soup to go bad. From other perspective, “Bad people are everywhere”, so, Henan people shouldn’t underestimate themselves, Henan people widely spread the whole country was just their pride. Henan people are loyal to friends, and they love Shaolin Kungfu. Henan people have great courage, and also accordingly emerges many bravos. In history, Henan famous people are Lao Zi the creator of Taoism, and great handsome man—Pan An, and national hero Yue Fei, just because of these, Henan people have a great experience, they aren’t blindly exclusive.

Hubei, Hunan people--China orthodox heirs of Yangtze River basin, it belongs to Kingdom Chu in spring and autumn warring state period. Hubei is province that has most lakes in China, so Hubei people show special preference to seafood. Hunan, Hubei people most pride on their Chu culture. Though slightly inferior to central plains, they are higher than south barbarians. Hunan Hubei people forefather King Zhuang has ever had brave words “Didn’t fly in three years, once fly it reaches to the sky; Didn’t sound for three years, once sound, it astonishes people”, which reflects Hunan, Hubei people pretension and arrogance mental state. Hunan, Hubei people are mostly clever but slight sly. Hunan, Hubei people are aggressive and bold, but lack of intelligent thinking. “Though Chu has only fewer people, it still can defeat Qin”as a result defeated by Qin. Later Xiang-Yu “discredited to villagers again”. In history, Hubei famous people is Qu Yuan, “Nine songs”, “Li Sao” and “Tianwen” can be called as outstanding works. But in recent history, there is also a betrayer Li Biao, which shows Hunan and Hubei people also have rebellious spirits. Hubei girls are beautiful, but speak is not sound, they have impure Sichuan accent.

With regard to this, make classification statistics of central China and south China “adult”, “youth”, “teenager” and “old” four types of people, investigate their sports dance participation status, and sort the data as Table 5.

Table 5: Central China, South China sports dance participants’ amount statistics

Region	Henan	Jiangxi	Hunan	Hubei	Guangxi	Guangdong	Hainan
Adult	656	876	1643	1768	780	3200	0
Youth	122	58	96	230	98	700	0
Teenager	1434	998	992	1480	948	3500	0
Old	34	26	62	98	32	200	0
Total	2246	1958	2793	3576	1858	7600	0
Dance fitness population(ten thousand people)	268.4	169	254.7	342.8	59.7	360	2

Correspond to above data make broken line chart as Figure 4.

Correspond to above analysis, it is clear that central China, south China sports dance popularization status and Guangdong as well as Guangxi are most Hainan province due to collecting causes without counting its number of people, here don’t discuss.

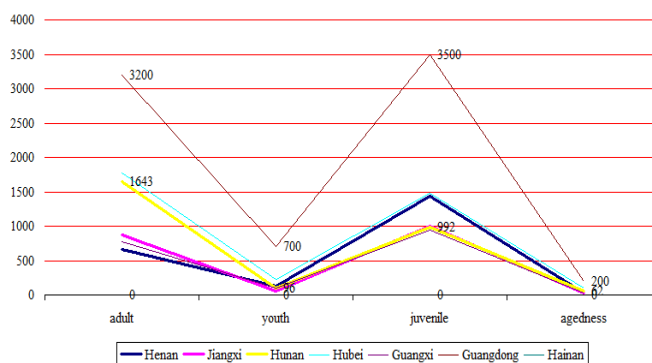


Fig. 4: The number of central and southern China to participate in the sports dance

Southwest, Northwest region Sports dancer statistical analysis

Southwest, Northwest region contain Sichuan, Yunnan, Guizhou, Tibet, Chongqing, Ningxia and others ten provinces. Northwest region’s Gansu, Ningxia, Xingjiang people, their forefathers are collateral branch of Lantian man, in Western Xia period, it flourished, and decayed in Genghis Khan western conquering. There is a common saying in Gansu: Tianshui is gold, Wuwei is silver, Lanzhou is choice, so Lanzhou is best city in Gansu province, but other scenes are not any better. Northwest region landforms are mostly Gobi with desert loess, therefore there is also a place of “Three not shit” place, even cow, sheep and rabbit will not shit here which can be called as bleak. Gansu has a profound cultural history. Take Mo Kao Grotto at Dunhuang as representative, secondly is the Silk Road, the third is “bronze gallop horse” and Jiayuguan. In history, there are famous people “flying general” –Li Guang, “poetic genius”—Li Bai, Emperor Gaozong of Tang-Li Yuan. Gansu people are conserved, simple and honest, kind. Character is inflexible with fewer innovations. Northwest people also due to wind and sand most are red faced. But strong and robust, less suffers bad cold.

Southwest region Tibet people—ancient Tibetan descendent. Among them there were some bloods of northwest barbarians. In Tang Dynasty period, Wen Cheng princess and Jin Cheng princess married far in Tibetan brought central plains civilization to southwest region. After dynasty Yuan established, Tibet became administrative region that affiliated central government, and entered into Yuan Empire map. Southwest region people mostly believed in Lamaism. Therefore, they established luxurious Potala palace, Panchen and Dalai Lama were leaders of regions that they believed. Northwest region people also due to plateau climax, skins were dark. Tibet people were devout, but common Tibet people paid little attentions to hygiene, behavior was procrastinating. But they are very hospitable; a stripe of hada is their sublime faith in them.

With regard to this, make classification statistics of southwest northwest regions “adult”, “youth”, “teenager” and “old” their sports dance participation status, and sort the data as Table 6.

Table 6: Southwest, Northwest regions’ sports dance participants amount statistics

Region	Adult	Youth	Teenager	Old	Total	Dance fitness population (ten thousand people)
Shanxi	220	54	128	0	402	98.6
Qinghai	24	8	72	0	104	2
Xingjiang	150	60	80	0	290	46
Tibet	0	0	0	0	0	0.2
Yunnan	732	44	778	88	1642	82
Sichuan	338	78	686	46	1148	357.7
Guizhou	88	30	164	0	282	71.6
Gansu	30	2	120	0	152	37
Chongqing	774	66	998	12	1850	148
Ningxia	0	0	0	0	0	1

Correspond to above data; it makes bar chart as Figure 5.

From above analysis, it is clear that sports dance has obvious differences in China northwest, southwest region popularization status, Ningxia doesn’t have one sports dancer, most are in Yunnan, it can compare with overseas developed regions.

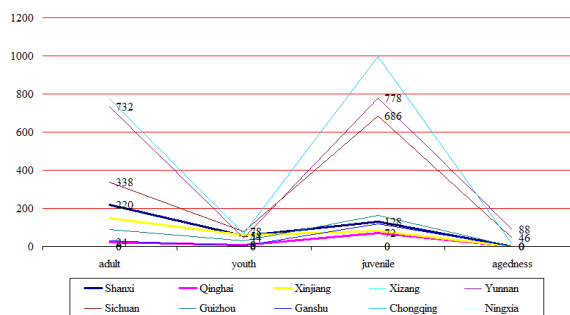


Fig. 5: Southwest, northwest area sports dance, the number of statistics

CONCLUSION

China has vast territory and abundant resources, its culture has a long history, and all living things are majestic and grand as bright as stars. Each place customs and practices are different, in orderly rows and inclusive; each region people and materials have their merits, have a great variety of fantasies while winding and beautiful. Fifty-six nationalities are with fifty-six flowers and colors. By their number of people and popularization status that they accept foreign culture (sports dance) it can see that Chinese each region style is different, acceptance degrees are different fondness degree on sports dance are also different.

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