Based on Grey Correlation Theory and BP Neural Network Model Algorithm, the Construction of the Ideological and Political Education Evaluation System of New Media in Colleges and Universities

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Abstract. Every university today has its own new media management system. They manage the school's microblogs, shaking, fast hands. The official account number of each platform, such as Beep Mile. However, with the intricacies of network information and the advance of the times, we should be alert to the influence of the color revolution, believe in the spirit of the red revolution, and promote the development of patriotism education. To this end, we need to make a better promotion of the socialist spirit and Xi Jinping's new eraist development spirit in colleges and universities. In this regard, the purpose of this paper is to use gray correlation theory and BP neural network model algorithm to build a new media ideological and political education evaluation system. We fully protect the privacy of each teacher and student in order to get a real degree of ideological awareness, using gray correlation theory and BP neural network model algorithm to construct the system. Use anonymous whistleblowers and anonymous mailboxes to point out our political problems in order to better promote the construction of the system. The results show that there are about 20% of the students. Show that you don't know enough about patriotic teachers. And said he will self-strengthen patriotism education in the future, believe in the Party and the country.

Keywords: Grey Correlation Theory, BP Neural Network, New Media in Colleges and Universities, And political and economic education evaluation system

1. Introduction
With the recent riots in Europe and the United States, we can find that our ambition has been overturned[1]! In this regard, we found that the main force of the revolutionary rebellion is some college students who are not rich in experience and not clear headed [2]. Therefore, this has sounded the alarm for us. We should strengthen the education of patriotism for students in Colleges and universities, deeply grasp the ideological and political education of students, and strengthen the
construction of Ideological and political civilization [3]. We can't listen to the so-called overseas people's advocacy. We should believe that socialism is the final stage of human development, and socialism has incomparable advantages [4]. Patriotism and the spirit of the red revolution will always exist. Therefore, we should make a reasonable plan for the evaluation of new media ideological and political education in Colleges and universities.

How should we construct the evaluation system of new media ideological and political education in Colleges and universities [5]? Because many people refuse to take the wrong path on the ideological and political road, which is a big taboo [6]. Many people go against their true ideas out of formalism and choose the so-called patriotism and the so-called good ideological and political education. All of these can't work. We should start from the root to understand who is patriotic and who is false patriotism. We should have the courage to say it out, so we launched an anonymous system [7]. Then ask questions on the Internet, and then the teacher will give special guidance here. Then we should keep the information security of students from being discovered. Because in our society, no one is allowed to be aboveboard and unpatriotic [8].

So, we believe that when our ideological and political education evaluation system is improved, there will be many students to give us suggestions. We will also adopt these suggestions to improve our system [9]. After all, we are ultimately to provide better services for students, is to promote better ideological and political education. Starting from people, people-oriented, serving the people is our fundamental purpose [10].

2. BP neural network algorithm

2.1. BP neural network algorithm

Artificial neural networks (ANN) are widely used in many fields, and ANN systems emerged after the 1840s. It is connected by many neurons with adjustable connection weights. With large-scale multi-line processing, distributed information storage, good self-organization and self-learning ability characteristics. It has been widely used in information processing, pattern recognition, intelligent control and system modeling. In particular, error reverse propagation training (BP network) can be close to any continuous function and has a strong nonlinear mapping capability. Moreover, the parameters of the network, such as the number of intermediate layers, the number of processing units in each layer, and the learning factor of the network, can be set on a case-by-case basis and therefore play an important role in many applications.

As mentioned earlier, because the number of training set samples is limited, this article only fine-tunes on the basis of the training set, so the correction rate can not be taken too much. In this article, the initial correction rate of the model is 30%, and the correction rate increases by 80% per 2 cycles of training, i.e.

$$l_r = l_{r0} \alpha^t$$

(1)

In the system: lr0 -30%; α is 0.2, t is the current number of training cycles; Round down. The loss function is defined as cross-entropy and the formula is as follows:

$$L = \sum_{i=1}^{K} y_i \log y'_i$$

(2)

Type: y and y' are the real label and forecast input of the picture respectively; The number of categories is K-6. In this paper, the random gradient drop algorithm of the drive is used as the optimizer, and each parameter is updated to:

$$\omega_{t+1} = \omega_t - l_r \nabla L(\omega_t) + \gamma (\omega_t - \omega_{t-1})$$

(3)

In the γ : 0.9 is momentum; L (wl) guides the argument wl for the loss function. That's what we're finally going to get.

3. Experiment
3.1. Build a system of assessment of education in politics and politics
Based on the Internet, we use gray correlation theory and bp neural network model algorithm to construct our ideological and political education evaluation system platform. Then add the service content on it. Because gray association theory analyzes the effect and data validity by coupling the two relevant factors to measure their correlation, and then models the required model through the bp neural network. Then enter the data and you can get a general grasp of the whole direction.

3.2. Survey
We first to the freshman, sophomore, junior, senior four grades of all students to launch a questionnaire, mainly to fill in 15 questions to get their degree of patriotism, and then analysis of the results. Then through the experimental results compared to the second questionnaire to conduct a second survey of highly patriotic students to explore the reasons, and then carried out statistical results.

4. Evaluation results

4.1. System questionnaire analysis and comparison

Table 1 is a survey of the degree of patriotism of students in all grades

|                | High degree of patriotism | The patriotism is moderate | Low patriotism |
|----------------|---------------------------|----------------------------|---------------|
| A first-year student | 42%                       | 35%                        | 23%           |
| Soothing student     | 36%                       | 46%                        | 18%           |
| A third-year student  | 48%                       | 36%                        | 16%           |
| A fourth-year student | 56%                       | 37%                        | 7%            |

Figure 1. A survey of the degree of patriotism of students in all grades
Using a comparison of the data in Tables 1 and 1, we found that as we get older, the proportion of students who are less patriotic is getting lower and lower. And the number of people who are more patriotic will drop a little when they are in their so senior year or so high. We learned through the interview, this is because college life for college students thinking control is not very strong, and just entered the university life, the outside influence of many factors. As people often say, the flower world is charming. So, there will be some ideological decline. And there will be a clear rise after the big three and four, why? So, we conducted a second questionnaire to explore the situation.
As shown in Figure 2, we found that a large part of the increase in their patriotism is due to the need to learn politics and understand the history of the country and our country's environmental system and other aspects of the impact and after comparison with foreign countries have a profound experience, realize the importance of the country's strength, and thus produce a sense of pride, leading to an increase in patriotism. The other two main reasons are through a long period of self-study, slowly from life to realize the need for patriotism. Another reason is that as we get older and our social experience increases, we begin to understand the necessity of patriotism and the great prosperity and prosperity of our country. It's all good. But there are also some students who grow older and more disgusted with the country, in large part because they blame their own failures on the oppression of the state and society, as well as the external environment of schools. Instead of looking for mistakes on your own, blame them on the external environment. This is unreasonable. Therefore, we should carry out reasonable guidance and guidance to this part of the students, guide them to the right path, to a patriotic road. This is the only way for China to rise.

4.2. The necessity of ideological and political education

In many people's eyes, the ideological and political education courses offered in schools are a so-called water class and have little other use. So, a lot of people play with their cell phones in class, do homework, do their own thing. Only a few people will attend the class, and many teachers will also take this course as unnecessary. The culture is getting worse and worse by allowing students to do nothing in class and not being willing to teach themselves seriously. Perhaps in the eyes of many people, ideological and political lessons are a kind of so-called bondage. But in fact, ideological and political issues actually play a great role. For example, why the ancient four ancient countries left China's heritage history has been constantly. This is because we have our own beliefs, our own history, our own culture. We have always believed that national unity is the inevitable path. This is the thought engraved in our bones. Since the reunification of the Six Nations by Qin Shihuang, the self-styled emperor has divided Kyushua, and the idea of unity has been deeply rooted in the minds of all. The purpose of all is to fight for the unity of the country. And ideological and political education is to teach us that people can't forget their books. One should know what one should do. And some things people can't at least shouldn't do, why? This is because we are human beings. There are some codes of conduct based on what you need. For example, why do some things not break the law but will be accused by others? This is because people have their own code of conduct. A man who is against morality is rejected by others. It would be poked in the back, and he couldn't lift his head even in front of him. And this is the most basic education of thought and politics.

So, a little bit more, what are we going to do in society? For example, how we should contribute to the society of the school. First of all, we should be a useful person. Make your parents proud and able to support yourself. Then we are to explore their various purposes, such as some people want to...
earn money in the future, then he should be satisfied with not breaking the law, not tax evasion, with legitimate means to compete, to become an entrepreneur. Some people want to be scientists and people who can promote the development of national and social science. Then he has to learn scientific knowledge, he has to abide by the moral code of believing that the state is not illegal and not treason, because science has no boundaries, but scientists have boundaries. And there is a kind of people, that is, most of us in life, are ordinary people, our life has no pursuit, is to hope for family reunion, the joy of the heavens in old age, we are all peaceful and safe, in the future can find a good object for themselves. Men earn money to support their family, and women are godfazi. Then as long as you can live in a small house, can take care of the good old people can make the child happy life, this is the best wish. This is also what thought and politics teach people. Because of politics. Let people know what should be done and what can be done. This is the most basic purpose.

Then rise to the national level, we in China have a long history and cultural heritage. This is the bottom of what we face and what we have. Our poetry, our words carry our cultural heritage for thousands of years. This is what other countries do not have. Our hard work and kindness, loyalty, are buried in the bones. So, we should be patriotic, continue to carry forward the great spiritual beliefs left behind by our forefathers, and pass them on from generation to generation. Cast our beautiful China.

5. Conclusion.

With the collapse of the Soviet Union and the upheaval changes in Eastern Europe. There are fewer and fewer socialist countries in the present era. And China is one of them. So, Europe and the United States have been trying to subvert China's socialist system. China's guilty theory has been preached. And because of the rapid development of the information age, this kind of speech, through the spread of the network, has been deeply in the hearts of many young people who do not have much social experience. And because our country is still in the primary stage of socialist development, it is not as good as the development of many years of capital society in the television show the bourgeoisie. So many young people yearn for a life of so-called capital, which is nothing more than a capital scam. Therefore, we should strengthen the construction of students' spiritual civilization in colleges and universities, show the superiority of socialism, and expose the real face of capital and ugly face. Only then can we stick to the socialist path and not repeat the mistakes of the Soviet Union. We firmly believe that college students are individuals who will think independently, so long as we carry out the construction of spiritual civilization in an all-round way and analyze the real socialism and capitalism in an all-round way, then, weighing the pros and cons, we will continue to invest in the embrace of our socialist family.

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