

Research design: 120 college students were randomly divided into control group and experimental group, with 60 people in each group. The traditional teaching mode was given to the students in the control group, and the teaching mode of art pattern synthesis was adopted for the students in the experimental group. Before and after the implementation of the five-month experimental teaching, it is necessary to use the self-made communication ability evaluation scale to evaluate the communication ability of college students.

Methods: Excel software and SPSS 19.0 software were used for statistics and analysis. The relevant data of college students' communication ability were analyzed by $\bar{x} \pm s$. t-test was used for comparison between groups. $P < 0.05$ indicates that the difference is statistically significant.

Results: The questionnaire results are shown in Table 1. Before the teaching experiment, the two groups of college students were accompanied by certain communication adaptation barriers, and the scores of their communication ability evaluation scale were low. There was no significant difference between the two groups ($P > 0.05$). After the teaching experiment, the scale scores of college students in the control group changed slightly, while the scale scores of college students in the experimental group increased significantly. The comparison results between groups showed that the difference was statistically significant ($P < 0.05$).

Table 1. Comparison of scores of communication ability assessment scale between the two groups

Time	Communication ability score		t	P
	Experience group	Control group		
Before teaching experiment	61.2±7.9	60.7±8.1	0.342	0.733
After teaching experiment	79.5±7.3	62.1±7.8	12.616	0.000
t	13.178	0.964	-	-
P	0.000	0.337	-	-

Conclusion: For college students, communication adaptation barriers will have a great negative impact on their academic performance and interpersonal communication. It is very necessary to take some measures to eliminate the communication adaptation barriers of college students. Art pattern synthesis course can have a positive impact on College Students' communication and adaptation barriers, effectively improve college students' communication and adaptation barriers and improve their communication skills.

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CORRECTION OF PSYCHOLOGICAL BEHAVIOR DEVIATION OF FINANCIAL INVESTORS FROM THE PERSPECTIVE OF SOCIAL PSYCHOLOGY

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Background: The stock market is the product of the development of the market economy to a certain stage and the symbol of the extreme prosperity of the market economy. The emergence of the securities market enables participants to reduce transaction costs and maximize returns through this platform. The behavior of individual investors and institutional investors directly affects the development of the securities market, because they are the suppliers of capital in the securities market. Therefore, the research on the behavior of securities investors has not stopped since the 1950s. In the 21st century, the research of behavioral finance has become an international hot research issue. At present, more and more scholars in economics, finance, psychology and sociology turn to the research of behavioral finance theory, among which all kinds of investors in the securities market also try to use these theories to enrich their own investment strategies. The basis of traditional financial theory is to regard people as "economic people" or "rational people", investors choose the optimal decision according to their expectations of future price changes and their assessment of future risks. The price of securities products is random and unpredictable. This price is the understanding and information of all investors and other participants in the market. Therefore, no one can continue to make profits. However, in our real financial securities investment activities, there are a large number of anomalies that are difficult to explain by traditional financial theory,

which leads researchers to explore and study in other different ways. Under this background, behavioral finance came into being and has gradually become an important branch and component of modern financial research. China's securities market has been born since the 1990s in a short period of more than 20 years, it has accumulated hundreds of years of development experience in European and American developed countries. Different from the previous research on the fundamentals of listed companies or stock technology, the research on investor psychology takes human cognitive essence as the starting point of all human activities and plays a role in correcting the source.

Objective: The securities market is the center of resource allocation under the market economy environment and the symbol of the extreme prosperity of the market economy. As a capital supplier and an important participant in the market, whether individual investors in the securities market can participate in securities investment activities healthily and rationally directly affects the development of the securities market. China's securities market has only developed for more than 20 years. As an emerging market, there is still a big gap in the construction of securities market system compared with Europe and America, which has accumulated hundreds of years of development experience. Chinese investors do not show the maturity corresponding to the leapfrog development speed of the market, and their investment philosophy, investment psychology and investment style are not mature enough. Chinese investors' awareness of investment risk in the securities market is still very weak. Various speculative behaviors in the Chinese market also hurt the interests of ordinary small and medium-sized investors. Therefore, it is of great significance to correct the psychological behavior deviation of financial investors from the perspective of social psychology.

Subjects and methods: For people's cognitive process, the collection of all information, even if it is publicly available, must first be noticed by people, and then through the process of human brain information processing, it can be recognized by people, become a variable recognized by the system and enter the decision-making system. This paper mainly analyzes the deviation of heuristic deviation, frame dependence deviation and emotion deviation, so as to correct the psychological behavior deviation of financial investors.

Study design: Through literature research, data collection, questionnaire survey and in-depth interview, this paper mainly adopts a variety of research methods, such as the combination of theoretical research and empirical research, the combination of personality analysis and commonness analysis, and the combination of questionnaire survey and in-depth interview, to study the behavior of investors within the framework of behavioral finance theory.

Methods: This paper uses Excel to empirically analyze the correction effect of psychological behavior deviation of financial investors from the perspective of social psychology.

Results: When people use representative inspiration as a way of thinking to solve problems, there will be cognitive bias, that is, they overemphasize the important role of previous similar experience in judging current things, while ignoring the potential possibilities of other ways to solve problems. Generally, people can only focus on a part of the information searched, and people's attention, memory and information processing ability are limited. Therefore, people often tend to choose information because of some unconscious associations. Information is the basis of people's decision-making. However, when people have "framework dependence" on the information processing process, people will make different understandings of the same information because of the peripheral environment when receiving information or the different ways of information presentation. Because people's decision-making behavior will be affected by life experience, emotional memory and position, general judgment and decision-making will have obvious selectivity. The inherent psychological defects of financial investors, in different moods, will bias their judgment and give different answers to the judgment of the same event.

In this survey, the influence values of specific factors are quantified in five grades of 0-4. 0 means irrelevant, 1 means slight influence, 2 means general influence, 3 means obvious influence and 4 means full influence. In order to reduce the large error caused by personal subjectivity in evaluation, the results are determined by rounding. The specific statistical table is shown in Table 1.

Table 1. Correction effect of psychological behavior deviation of financial investors from the perspective of social psychology

Factor	Heuristic bias	Frame dependent deviation	Emotional deviation
Financial investor	4	4	4

Conclusions: The instinct of human nature has the tendency of herd impulse to obey collective decision-making. Therefore, small and medium-sized investors need to have a deep understanding of this human weakness. Reverse investment strategy has high requirements for investors, which requires investors to maintain a variety and flexible perspective, and have the ability to examine problems from the

perspective of human characteristics and reality. Although the stock market has the characteristics of long-term memory, investors should not be too superstitious that the market will have similar cycles. Because of factors such as time, space and psychological groups, the stock market will have no obvious periodic performance. Moreover, investing with reverse thinking will lead to the problem that it is impossible to accurately grasp the trading opportunity, and the investment income of investors will be affected by this kind of irrational judgment, which is particularly key for investors who use reverse investment thinking.

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EFFECT ANALYSIS OF BALL TRAINING ON COLLEGE STUDENTS' PSYCHOLOGICAL STRESS

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Background: At present, the mental health of college students has directly endangered the quality of talent training in colleges and universities, which has aroused widespread concern of society and become the focus of education reform. Many studies show that college students' self-consciousness is not mature enough, and their choice of value and judgment are lack of stable and unified standards. When the multiple values to society coexist, they show more mental frustration and psychological contradiction than other groups, and the external manifestations are such phenomena as weak psychological state, easy psychological conflict and emotional behavior. In the face of the increasingly prominent mental health problems of college students, to find a simple and effective way to ease the psychological problems of college students is an important issue. Based on the teaching experiments, this paper explores the mechanism and theoretical basis of ball games as a means of intervention on mental health, to prove the positive effect of ball games on mental health.

Objective: With the rapid development of our country's economy, the competition between talents has become increasingly fierce, which has brought great employment pressure to contemporary college students. In addition, the contemporary college students in the process of life and study, also have to face from the school work, family, interpersonal pressure, so in recent years the increasing pressure of our college students, mental health problems continue to arise. In order to improve the mental health level of college students, improve their ability of resisting pressure and relieve their mental and emotional stress, exercise therapy was used. Ball training is a popular sport in colleges and universities. It is a beneficial attempt to combine ball training with mental health guidance.

Subjects and methods: Make full use of medical students' sports enthusiasts' two-in-one advantages to explore the emotional stress of college student's spiritual source. Through scientific and planned ball training to release the psychological pressure of college students, let college students out of the dormitory and classroom, rush to all kinds of ball court, relieve pressure and enhance the physical quality of college students. Improving the ability of resisting pressure can relieve the psychological and emotional pressure of college students and prevent them from suffering from psychological diseases.

100 college students with high psychological pressure were randomly selected and randomly divided into experimental group and control group, 50 students in each group. Before the experiment, there was no significant difference between the two groups in sex, age and psychological stress ($P > 0.05$), which could be compared, and all the 100 students volunteered to take part in this research activity, which took football training as an example. Based on the theories of systematology, training and psychology, the commonness of football technology is extracted, the single technical action of football is organically integrated, and the "normalization" of action is not excessively required. A "combined" teaching experiment scheme is designed, that is, according to the principle of step-by-step progress, from barrier-free to barrier-free, and then from passive defense to active defense, and finally to actual combat confrontation, so that students can understand, grasp and use it more easily, so that students can experience success in actual combat, and improve their learning enthusiasm and team spirit. Emphasize the happy sports in the movement, experience the ball game charm, thus change to the ego, behavior and cognition of others. The sports of the experimental group include martial arts, aerobics, sports dance and other non-football events. The control