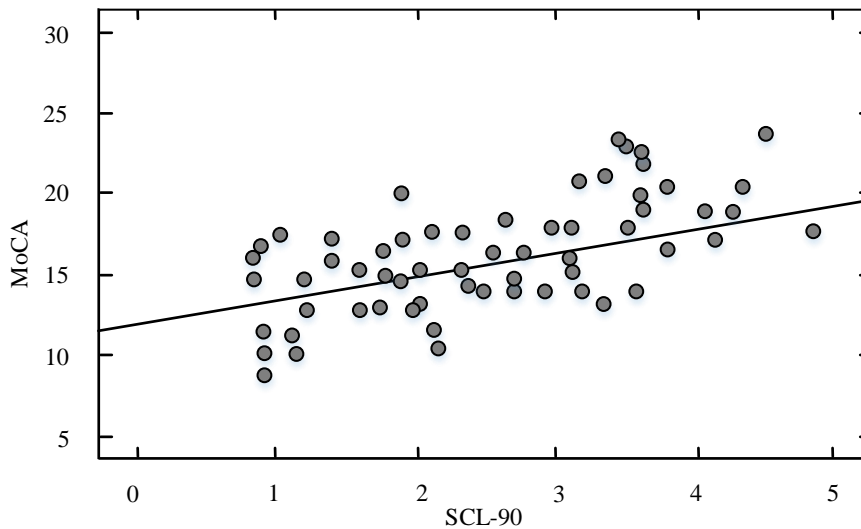


anxiety residents' participation in work will have a negative impact on work and personal body and mind. Therefore, modern society should attach great importance to people's mental health and promote the innovation and development of regional industrial economy.



**Figure 1.** Correlation between urban residents suffering from emotional anxiety disorder and regional economic development

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## RESEARCH ON THE INFLUENCE OF STUDENTS' ANXIETY BASED ON DATA MINING TECHNOLOGY

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**Background:** Since the 21st century, the world economy has undergone earth-shaking changes, and social competition has entered a new stage. In this environment, more and more people are suffering from anxiety psychological problems. Anxiety is a common psychological disease. People with anxiety are prone to symptoms such as tension, panic, uneasiness and changeable emotions. With the severity of the disease, it will have a serious impact on their personal life, study and work. In the research of anxiety psychology, some psychologists believe that the generation of anxiety psychology is usually a symptom of psychological disease caused by people's adverse feelings such as pressure, pain, or physical and mental harm in a certain environment, which exceeds the scope of personal regional ability and cannot effectively eliminate or solve problems. If people are in a state of anxiety for a long time, it is not only easy to induce various diseases, but also increase the physical and mental burden, resulting in more serious diseases, such as cognitive impairment and depression, which is at risk of endangering people's health. At present, students are a high incidence group of psychological anxiety symptoms. The factors of students' anxiety mainly focus on learning and communication, and a few are caused by illness. Students have been busy in their study and work tasks for a long time, and their physical and mental pressure is doubled. At the same time, their unreasonable eating, work and rest habits are easy to make students have anxiety psychological problems. Therefore, the development of modern education pays great attention to students' mental health. Only when students have good physical and mental quality can they develop better and speed up educational reform.

With the advent of the information age, the communication and exchanges between people become more and more simple. Through information technology, learning, work and communication can be realized, which provides great convenience for people's life and daily travel. It can be said that the information age has enriched people's material foundation. At the same time, the information age has also changed people's

lives and made many people suffer from mental diseases. Data mining technology is the product of information technology, which has an excellent performance in the collection and sorting of information data. In the face of more and more students suffering from anxiety psychological diseases, we need to take effective measures to deal with them. Therefore, in order to improve students' anxiety psychological problems, data mining technology is used to mine students' anxiety psychological data. Through the mining of data such as the causes of students' anxiety psychology, the condition of anxiety psychology and the harm and influence of anxiety psychology, suggestions for improving the condition are put forward for different students, so as to treat students' anxiety psychological problems more effectively and scientifically and help students return to a healthy psychological state. Promote the healthy and scientific development of students. This paper studies and analyzes the current situation of modern students' anxiety psychology, analyzes the causes of students' anxiety psychology, and then discusses the influence of data mining technology on students' anxiety psychology.

**Objective:** This paper analyzes the causes and harm of anxiety psychology, studies the causes of students' group anxiety psychology, and then studies the influence of data mining technology on students' anxiety psychology, in order to improve students' anxiety psychological symptoms through data mining technology.

**Subjects and methods:** The study took 120 students in a school as the research object, of which 60 were ordinary students and the remaining 60 were anxiety students. Carry out big data mining on the students studied, count the students' psychological demands, and give professional psychotherapy plans according to the students' psychological situation. The experimental test lasted for 6 months, and the mental health indicators of the subjects were recorded, with a score of 1-10. The health indicators included four indicators: Students' enthusiasm, learning attitude, students' achievement and students' mental health.

**Results:** As shown in Table 1, it shows the psychological changes and performance changes of students in 6 months. After six months of experimental testing, the mental health indicators of ordinary students and sick students have been improved. At the same time, the health indicators of many sick students have also returned to the level of normal students.

**Conclusions:** Mental health problem has always been an important problem affecting social health and harmonious development. As a typical mental disease, anxiety psychology affects a large number of people in China every year, especially students, which has an adverse impact on China's educational and social development. Therefore, this paper analyzes the manifestations and causes of anxiety psychology, analyzes the reasons why students suffer from anxiety psychology, and then links students' anxiety psychological problems through data mining technology. The experimental results show that after six months of testing, students' anxiety psychological problems have been significantly improved. At the same time, all health indicators have been improved. The research content is of great significance to promote the reform and development of modern education.

**Table 1.** Students' psychological changes and performance changes in 6 months

Survey object		Before experiment	After experiment
Ordinary students	Students' enthusiasm	6±1.2	7±1.3
	Learning attitude	5±1.5	6±1.6
	Student achievement	5±1.8	7±1.2
	Mental health of students	6±1.3	7±1.3
Sick student	Students' enthusiasm	4±1.2	6±1.3
	Learning attitude	4±1.6	6±1.2
	Student achievement	3±1.1	6±1.5
	Mental health of students	3±1.3	6±1.5

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## ANALYSIS ON THE INFLUENCE OF COLLEGE ENGLISH TEACHING CURRICULUM INNOVATION ON STUDENTS' ENGLISH LEARNING ENTHUSIASM

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**Background:** Learning enthusiasm mainly refers to a positive psychological state in people's learning