

CORRELATION ANALYSIS BETWEEN COMPUTER NETWORK SECURITY AND USER ANXIETY UNDER DATA ENCRYPTION TECHNOLOGY

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Background: In modern society, competition is fierce, stress is frequent, and the pace is fast. People's mental health problems are becoming more and more serious. The number of anxiety patients is also increasing year by year. The physiological characteristics of anxiety disorder include insomnia, dreaminess, general weakness, dizziness, headache, dry mouth, loss of appetite, frequent urination, etc. Intellectual characteristics include inattention, dizziness, thinking disorder, etc. Emotional characteristics include irritability, nervousness, uneasiness, pessimism, etc. The main social characteristics are lack of self-confidence and inferiority complex. Anxiety is not only harmful to physical and mental health, but also accompanied by many bad emotions, such as serious sleep disorders, cognitive disorders, mental disorders and so on. Anxiety can be summarized as a vague and unpleasant emotional state. Patients may have psychological characteristics of anxiety, fear, pain and anxiety. Anxiety originates from excessive irresistible stimulation, which is different from tension. Anxiety is the result of long-term inhibition. Anxiety occurs when tension accumulates in some people and breaks through a critical point. The emergence of anxiety is a long process, and varies from person to person, mainly because each person is affected by different conditions or factors. When people feel nervous about something, their thoughts will be disturbed by it repeatedly, and they will make all kinds of exaggerated imagination and assumptions. When they exceed the critical point, anxiety begins to appear. Anxiety usually shows negative emotions such as self doubt, anxiety and tension. Computer network information security involves the reliability, security, integrity and confidentiality of data information. Computer network users, when using computers for data transmission, need to ensure that the information is not tampered with or leaked. By using data encryption technology, it can maintain computer network security, effectively resist network virus invasion, hacker attack, illegal access, effectively improve the security and reliability of network data, and promote the orderly development of the computer field.

Objective: With the advent of the information age, computer network has become an indispensable tool in people's daily life. Under the background of the popularization of computer network, how to protect the information security of computer network has also become a widespread concern of all walks of life. In the process of computer network information transmission, the application of data encryption technology can form a strong protection for a large number of information data in the network environment, avoid data being attacked or destroyed, so as to ensure the information and data security of the masses, and improve the mental anxiety of Internet users through the innovation of data encryption technology.

Subjects and methods: In this study, 100 Internet users were randomly surveyed in a community, and the subjects were investigated with a self-made survey scale, including demographic information such as age, gender, health status, family members, family income, parents' occupation, etc. All users were evaluated by Self-rating Anxiety Scale (SAS). There are 20 items in the scale. Each item represents a symptom. The 4-level scoring system is adopted, and the score of each item is 1-4 points. The total score of all items is the total rough score, and then multiplied by 1.25 to obtain the final standard score. The evaluation score line is 50 points. A score lower than 50 indicates no mental anxiety, and a score higher than 50 indicates mental anxiety. The higher the score, the greater the degree of anxiety. In the research process, the students' psychological state was statistically analyzed by SPSS20.0 and Excel.

Results: SAS scale was used to evaluate the anxiety of all subjects. The users who had anxiety were divided into experimental group and control group. The results of the survey scale are shown in Table 1.

Table 1. Analyze the anxiety of Internet users

Project	Experience group	Control group	P
Family income	3.30	3.65	0.53
Parental occupation	5.15	4.28	0.13
Parental culture	2.87	2.67	0.63
Housing situation	1.87	2.21	0.04
Learning situation	2.03	1.43	0.04
Hobby	1.59	1.17	0.39
Family harmony	1.00	1.16	0.02
Parent child relationship	1.15	1.18	0.79

Conclusions: Data encryption technology plays a more and more important role in the development of modern society. In the information transmission of computer network, data encryption technology is used to build the security of data information, which forms an effective security defense against the illegal access of information data, so as to protect the practical interests of computer network users from damage. In the process of computer network information transmission, it ensures the information and data security of the masses, and improves the mental anxiety of Internet users through the innovation of data encryption technology. The results showed that the detection rate of users with anxiety was 14%. In all the survey results, parents' occupation, housing status, learning situation, family harmony and other factors are the factors that affect the mental anxiety of community Internet users.

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MATHEMATICS TEACHERS' VIEWS ON MATHEMATICS AND MATHEMATICS EDUCATION BASED ON COGNITIVE IMPAIRMENT

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Background: The incidence of cognitive impairment is very high in schizophrenia. About 85% of patients will have cognitive impairment, such as information processing, selective working memory, short-term memory, learning, executive function and other cognitive defects. Mild Cognitive Impairment (MCI) is a transitional state between healthy aging and Alzheimer's Disease (AD). It is recognized by researchers and clinicians as a "window" for teaching and delaying the development of AD. moreover, the global prevalence of MCI is 9.6%-21.6%, which is considered to be a precursor of AD. therefore, it is particularly important to study cognitive impairment. The research shows that physical exercise teaching has a positive effect on MCI patients' cognitive function, and it is a non pharmacological method to delay the decline of MCI cognitive function. At present, more and more attention has been paid to the mental health problems of secondary vocational school teachers in China. Because teachers are generally under pressure from schools, families, society, employment and other aspects, there are more and more mental health problems, especially cognitive disorders and other mental diseases. At present, some schools have greatly reduced the number of mathematics teaching hours, and even no longer offer secondary vocational mathematics courses. Many mathematics teachers are in a confused situation and do not know how to teach students. Many secondary vocational school students have a negative attitude towards learning mathematics, passively listening to classes and learning without success. Even students with a better foundation cannot form the consciousness of consciously using mathematical tools for various reasons, so learning is useless. The current situation of mathematics teaching in secondary vocational schools is worrying. Therefore, how to effectively improve the current situation of culture basic course teaching in secondary vocational schools requires educators to have a correct understanding and thinking of vocational education. So as a mathematics teacher in secondary vocational school, he must have a correct understanding and thinking about the mathematics curriculum reform in secondary vocational school, whether there is an inevitable connection between the professional learning of students and the sustainable development of students in secondary vocational mathematics, the understanding of mathematics by secondary vocational mathematics teachers in the process of mathematics teaching, why to learn mathematics, what should be taught, and how to teach these mathematical contents, all of which require the secondary vocational mathematics educators to have a reasonable mathematical view. Because there is a close relationship between mathematics view and mathematics education, it directly affects the teaching and learning of mathematics.

Objective: This study is conducive to explore the mathematics view suitable for secondary vocational mathematics teaching and the renewal of the mathematics view of secondary vocational mathematics teachers. It has a guiding role in secondary vocational mathematics teaching and is conducive to the mathematics teaching reform of secondary vocational schools in China. Therefore, this study will analyze mathematics teachers' views on Mathematics and mathematics education based on cognitive impairment.

Subjects and methods: 60 mathematics teachers with cognitive impairment in 9 secondary vocational schools in a certain area were selected as the research objects. The teachers were divided into control group and experimental group, with 30 teachers in each group. The intervention lasted for 3 months. The experimental group used the innovative model of mathematics and mathematics education, and the control