

**Objective:** This paper analyzes the influence of effective teaching management strategies in higher vocational colleges on school administrators under the background of educational psychology, in order to comprehensively improve the management level of administrators.

**Subjects and methods:** Four school administrators were selected as the research object to evaluate the impact of effective teaching management strategies of higher vocational colleges on school administrators under the background of educational psychology through Random Forest Algorithm (RF). The number of people in each school was 50. The assessment contents include quality, will, cognition, emotion and interpersonal relationship. The evaluation result is the recognition degree. The recognition degree is set to five levels: extraordinary recognition, comparative recognition, recognition, general recognition, little recognition and non-recognition. The corresponding scores of the five levels are 0-20, 21-40, 41-60, 61-80 and 81-100. In order to ensure the reliability of the results, the average value of the evaluation results of all research objects is taken as the final result.

**Results:** Table 1 refers to the impact of effective teaching management strategies of higher vocational colleges on school administrators. It can be seen from Table 1 that effective teaching management strategies in higher vocational colleges will have a great positive effect on the quality, will, cognition, emotion and interpersonal relationship of managers.

**Table 1.** The influence of effective teaching management strategies in higher vocational colleges on school administrators

Index	School 1	School 2	School 3	School 4
Quality	82.0	82.0	84.0	86.0
Will	86.0	90.0	86.0	88.0
Cognition	84.0	86.0	84.0	84.0
Emotion	88.0	82.0	82.0	86.0
Interpersonal relationship	84.0	86.0	84.0	84.0

**Conclusions:** At present, the problems of teaching management in higher vocational colleges are as follows. First, the teaching mode is single and the teaching management mode is backward. Under the influence of the traditional teaching concept, the participation of the main force in the teaching management of higher vocational colleges is low, and the teaching managers do not have the willingness to actively participate, showing the phenomenon of loose management mode. Second, there is no management experience and teaching managers have less time to learn and train. The important members of higher vocational colleges are teaching managers, who are responsible for students' learning and life as well as teachers' daily teaching. At the request of exam-oriented education, higher vocational colleges attach importance to teaching research and achievement, but cannot ignore management.

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## THE INFLUENCE OF COLLEGE ENGLISH TRANSLATION ACTIVITIES ON STUDENTS' PSYCHOLOGICAL CRISIS

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**Background:** College students are facing more and more pressure from life, employment and social interaction, which will lead to anxiety, irritability, anxiety and other negative emotions. Anxiety is a kind of abnormal psychological bad mood, which is mainly caused by excessive worry about the future, fate, life safety and other irritability, including anxiety, panic, tension, anxiety and other psychological manifestations. Medical psychologists believe that anxiety usually refers to people's adverse feelings such as risk, pressure and pain that exceed their acceptable range, and it is difficult for people to face and solve these problems. Generally speaking, anxiety itself is a very reasonable emotional response. However, long-term anxiety will lead to physiological and emotional diseases. According to different types, anxiety can be divided into pathological anxiety and realistic anxiety. Pathological anxiety is one of the most common types of anxiety. Its clinical manifestations are panic anxiety, generalized anxiety disorder and so on. At present, the main causes of anxiety are increasing pressure, perfection requirements, health concerns, smart phones and so on. At present, the most common intervention measures are personalized psychological intervention, lectures on mental health professional knowledge, etc. Although these

interventions can alleviate psychological anxiety, their application scope is greatly limited, and the implementation is difficult, the effect is poor, and the real-time performance is low. Therefore, their promotion value is not particularly great.

The English translation activities of university external communication are a process of information sharing and exchange between different cultures. The problems existing in the English translation activities of university external communication at this stage are as follows: lack of awareness of external communication, problems in coding and decoding of communication content, and lack of perfect feedback mechanism for communication effect. In view of the problems existing in the external communication operation activities of colleges and universities, the research puts forward corresponding communication effect optimization strategies, which can be shown as follows: first, truly implement the concept of cross-cultural communication. Effective English communication activities need to actively apply the principles of cross-cultural communication and complete the psychological communication between different cultures from their own perspective. Second, find a balance between culture and language. The key content of cultural communication is culture, and its primary problem is to explore and plan the cultural subject. Third, pay attention to the feedback mechanism of communication effect. The communication process includes five elements: feedback, media, information, receiver and transmitter. Among them, feedback is an important indicator to test the effect of communication, which is convenient for correcting the behavior of communicators.

**Objective:** This paper analyzes the influence of college English translation activities on students' psychological anxiety in order to improve students' psychological problems.

**Subjects and methods:** 200 college students with different degrees of psychological anxiety were selected as the research objects. They were divided into control group and experimental group according to the random grouping method. The control group used ordinary college English translation activities, and the experimental group used college English translation innovation activities. The mental health status of patients was analyzed by Hamilton Anxiety Rating Scale (HAMA), and the anxiety status of patients was analyzed and evaluated by support vector machine algorithm. The experiment lasted for 3 months. The HAMA scale is divided into two factors, mental and physical, with a total of 14 items. Each item is measured with a 5-level score, and the total score is 60 points. Somatic anxiety factors include autonomic nervous system symptoms, reproductive and urinary system symptoms, gastrointestinal symptoms, respiratory system symptoms, cardiovascular system symptoms, sensory system and muscle system symptoms; Mental anxiety factors include behavior performance, depression, cognitive function, insomnia, fear, tension and anxiety. The higher the score of the scale, the more serious the anxiety of patients. The anxiety level is divided into four levels: no anxiety, possible anxiety, obvious anxiety and serious anxiety. In order to ensure the reliability of the research results, the final data were processed and analyzed by CHISS data analysis software.

**Results:** Table 1 refers to the impact of college English translation innovation activities on students' psychological crisis. From Table 1, it can be seen that after the implementation of the English translation activities of university external communication, the anxiety of university students can be greatly improved, with an improvement rate of more than 86%. The follow-up innovation activities of English translation in colleges and universities can pay more attention to students' mental health.

**Table 1.** The influence of college English translation activities on students' psychological crisis

Index	Before	After 1 month	After 2 months
Behavior during the meeting	76.0	84.0	86.0
Depressed mood	78.0	82.0	88.0
Cognitive function	76.0	82.0	88.0
Insomnia	76.0	84.0	90.0
Fear	78.0	84.0	90.0
Nervous	76.0	82.0	88.0
Anxiety state	74.0	84.0	86.0

**Conclusions:** The communication between people is a very delicate and subtle process. In the process of cross-cultural communication, the communication becomes more complex, and the communication effect often fails to achieve good results. When people are in a different cultural environment, they usually show a sense of powerlessness, which will lead to the failure of the feedback function. College English translation activities play a positive role in external publicity, culture display and inter college cooperation. College English translation innovation activities can significantly improve students' anxiety.

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## ANALYSIS OF THE EFFECT OF ENTREPRENEURSHIP GUIDANCE FUND CONSTRUCTION ON THE MOOD DISORDER OF RETURNED ENTREPRENEURSHIP COLLEGE STUDENTS

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**Background:** Mood disorder is also called affective mental disorder. It can be manifested as long-term and obvious emotional or mood changes caused by various reasons. Its clinical manifestations are depression or upsurge of mood, accompanied by corresponding behavioral and cognitive changes or mental symptoms of fantasy. At this stage, the etiology of the disease has not been confirmed by medical experts. The common diseases are neuropsychological factors, neural development, neuroimaging, neuro electrophysiology, neuroendocrine, neuro biochemistry, genetics, etc. At present, the treatment of the disease is mainly dopamine and other neurotransmitter systems. According to different clinical attack modes, it is mainly divided into dysthymic disorder, cyclic mood disorder, depressive episode, manic episode and mixed episode. Returning entrepreneurship college students face greater psychological and spiritual pressure, which will have a great impact on their physical and mental health. This phenomenon has been concerned by most experts and scholars. At present, the mitigation plan for mood disorders has become a difficult problem at this stage.

Venture capital guidance fund is a policy fund set up by the government and based on the market operation mode. Through the development of poverty alleviation venture capital enterprises, it guides social funds to integrate into the field of venture capital. The purpose is to enhance the supply of venture capital, ensure the leverage effect of financial funds, and avoid the problems caused by the market allocation of venture capital. The operation principles of the investment guidance fund are risk prevention, scientific decision-making, market operation and government guidance. The operation mode is follow-up investment, financing guarantee, insurance participation or others. To guide the construction of investment funds, the following points should be achieved: establish a sound internal management system, establish a good external supervision and supervision mechanism, establish and improve the risk restraint mechanism and performance incentive mechanism. Venture capital guidance fund is a policy fund set up by the government and based on the market operation mode. Through the development of poverty alleviation venture capital enterprises, it guides social funds to integrate into the field of venture capital. The purpose is to enhance the supply of venture capital, ensure the leverage effect of financial funds, and avoid the problems caused by the market allocation of venture capital. The operation principles of the investment guidance fund are risk prevention, scientific decision-making, market operation and government guidance. The operation mode is follow-up investment, financing guarantee, insurance participation or others. To guide the construction of investment funds, the following points should be achieved: establish a sound internal management system, establish a good external supervision and supervision mechanism, establish and improve the risk restraint mechanism and performance incentive mechanism.

**Objective:** The purpose of this paper is to analyze the effect of entrepreneurship guidance fund construction on the mood disorder of returned entrepreneurship college students, in order to improve their psychological and spiritual problems.

**Subjects and methods:** Select 100 returned entrepreneurship college students from five regions with different degrees of mood disorders as the research object, analyze the mitigation effect of entrepreneurship guidance fund construction on mood disorders of returned entrepreneurship college students, and use the Expectation Maximization algorithm (EM) to classify the improvement effect of mood disorders of college students. Mood disorders include depression, mania and mixing. Set the improvement effect evaluation indicators as no improvement, slight improvement, improvement and obvious improvement. The improvement rate is the ratio of the number of people with slight improvement, improvement and obvious improvement to the total number of people. In order to avoid the influence of subjective factors on the research results, the data of all subjects were taken for analysis. Through the EPINFO data statistical analysis software, this paper analyzes the alleviating effect of the construction of