

# A Study on the Connotation and Mechanism of Guiding Education By Classification

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## Abstract

The analysis model of the traditional classification guiding education work can clearly point out the classification and education focus of the education work, but the connotation analysis of the classification guiding education work and the mechanism quantification research have high uncertainty, so the connotation and mechanism research of the classification guiding education work is put forward. Based on different classification guiding principles, different types of classification guiding education work are determined. The connotation of classified education is determined by the characteristics of different types and analyzed. It introduces the analysis algorithm of guiding mechanism, quantifies the mechanism accurately, and realizes the research on the connotation and mechanism of guiding education. Based on the case analysis of students from sichuan university of light chemical technology, it is concluded that the proposed research method reduces the uncertainty of the analysis mechanism by 48.63% compared with the traditional analysis model, and the constructed connotation and mechanism analysis model improves the overall operating stability by 51.13% compared with the traditional analysis model, which is suitable for the study on the connotation and mechanism of classification guiding education.

## Keywords

Classification guidance; To guide and educate; Connotation study; Mechanism analysis.

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## 1. The Introduction

Traditional classification guide educational work analysis model is mainly to the educational work of classification and classification of education research focus on content, study its connotation and the mechanism of uncertainty is high [1], the deficiency of the traditional method of content is not suitable for the application and mechanism research, for this classification is put forward to guide the connotation of the educational work and mechanism research. In order to ensure the effectiveness of the design research method, the students from sichuan university of science and technology were taken as the analysis objects and two different research methods were used to analyze the uncertainty and stability of mechanism quantification.

## 2. Construct the Research Model of Connotation and Mechanism of Classified Education

According to different classification and guiding principles, the work of guiding and educating is divided into ten types, such as scientific research, cultural education, practical education and management education. According to the guidance mechanism analysis algorithm, determine the business ability and restriction ability, determine the quantification mechanism by

determining the relationship, and realize the precise quantification of the mechanism, complete the classification of guidance education work connotation and mechanism research.

### **2.1. Principles of Classification Guided Education**

Classification guidance education is to carry out moral education, intellectual education, physical education and aesthetic education for students, science and technology workers and related practitioners according to different classification principles. The goal is to become a pillar of society. According to guide education classification principles, classification guide education can be divided into curriculum guide educational work, scientific research and educational work, guide practice guide educational work, cultural and educational work and network boot, boot the educational work, management work, psychological leading guide educational work, educational work, educational work, funding guide service guide and guide educational work ten types [2], at the same time, according to the characteristics of the students' learning, students can be divided into five groups. It mainly includes weariness, passive, mechanical, progressive, independent five categories. Tired of learning students, bored mood is larger, have a resistant psychology, there is a certain degree of anti-perceptual learning. Passive students are usually supervised by parents, teachers, relatives, friends, and under the supervision of the formation of pressure, so that learning progress. Usually, there is no pressure from parents, relatives or friends to study in college. Usually, students of this type will relax themselves and their academic performance will plummet. Mechanical students devote themselves to their studies and work hard. But the study method is more rigid, the study extension is low, the autonomy type is poor. The enterprising student has the assiduous spirit of the mechanical student, at the same time also has the good learning ability, as well as the positive learning quality. The autonomous students have the positive learning attitude of the enterprising students, and have the independent learning, personality, ideas, and enjoy learning. Among them, the course guidance and education work is mainly conducted through different stages of education and teaching courses and textbooks. The course guidance and education work mainly includes three parts: the course guidance and education of primary and secondary schools, relevant vocational training and vocational ability training. Through the perfect curriculum system, optimize the corresponding teaching materials, teaching facilities, strengthen the course guidance, make it become a social pillar of talent, suitable for the weary, and passive students to guide the education work. The main objects of guiding and educating people in scientific research are college students, graduate students and relevant personnel in scientific research institutes, etc., to optimize scientific research links and procedures, improve academic evaluation methods, and promote the positive transformation of scientific research achievements. To cultivate and establish the correct value orientation, academic pursuit, and pioneering spirit of scientific research, it is suitable for the guidance and education of independent and enterprising students. Practice guidance and education work is to conduct practice guidance for different types of students, combine theory with practice, integrate all kinds of practical resources, make bold innovation and expand practice platform, so that students at different stages have theoretical basis and practical business ability. Cultural educational work is guided to the educational work into the cultural background, classification of a country can not live without culture, the Chinese nation has the profound cultural connotation, excellent traditional culture, modern revolution culture, advanced socialist culture, cultures of different scientific knowledge is one of the most important aspects of the classification guide education, develop a self-restraint, connotation and culture of social talents, is suitable for students of passive, and mechanical type to guide education work. Network guidance and education work is based on the continuous development of computer network, through the computer network to build a network education platform, enrich the network teaching content, improve the network literacy, promote positive energy, strengthen the network construction, guide the further promotion of talents. Psychological guidance and

education work, while strengthening curriculum, culture, scientific research and other guidance education, psychological guidance and education work is also essential, suitable for enterprising, and mechanical students to guide education work. Psychological guidance and education work refers to strengthening humanistic care and psychological education, in-depth development of psychological counseling, psychological education, practical activities, prevention and guidance, platform construction of the five integrated psychological guidance and education work, suitable for the weary and passive students to guide education work. Management educational work is to point to by management atmosphere, guide the standards system and strict management regulations combined step-by-step guide education, guides the student to become the official seal, know the law, have the knowledge of aspiring students, a large number of construction management in place, amorous feelings of upright guide educational environment, is suitable for students of autonomy, and aggressive to guide education work. Service guide educational work is relate to solve practical problems and solve practical thoughts, attention to, in the service of the teachers and students, teachers and students to master relevant demands, teachers and students actively to provide targeted services to teachers and students, for others, helpfulness, dare to offer, a saint has the quality of a new generation of students [3], is suitable for students of learning type, and passive to guide education work. Funded educational work refers to the boot is stranded with support, set up relevant national scholarships, financial aid, social donations, the four students part-time service development to guide the teaching system, and help students with difficulty, by sponsoring the educational work become a free-standing self-improvement, brave act as guide pillar of the society, is suitable for students of mechanical model, and the passive to guide the education work. The work of organizing and guiding education is to give play to the role of trade unions, communist youth league and student related organizations, to train students to be positive and enterprising, improve business ability, enhance work vitality, expand work coverage, and become excellent management talents in the society, suitable for the guidance and education of autonomous and enterprising students.

## 2.2. Analysis of the Connotation of Classified Guidance Education

The connotation of classified guidance education is to conduct scientific and standardized guidance education according to different classification structure. In line with the educational purpose of educating people to become talents, relying on the perfect guidance system and scientific management, training social comprehensive talents. Through continuous internal reform, the connotation of classified guidance education can increase the ability of guiding teaching, improve the hard environment of teaching, improve the soft environment of teaching, and realize the rapid development of classified guidance education in the process of quantitative change leading to qualitative change. Educational work development model based on its classification guidance error factors of internal development as the development of the power, in combination with education resources of rapid development, its for colleges and universities, classification guide education mode should pay attention to the construction of campus culture, raising the level of scientific research, personnel training strategy, to average middle and primary school, classification to guide the development of education should focus on the teachers construction, the construction of the cultural quality, the cultivation of good habit, to vocational training qualification on-the-job personnel related to the classification of the guiding education should pay attention to the cultivation of the talent, quality and development level of [4].

The connotation construction of classified guidance education mainly includes four aspects: concept guidance, teacher construction, discipline construction and talent cultivation. Concept renewal as the guide, set up the correct values, world outlook and outlook on life, and establish a rich and meaningful campus culture, conducive to teaching, scientific research, learning

classification guide education work training, and conducive to personal development. Teachers mainly includes the construction of teaching qualification for the construction of the soft environment construction and teaching qualification of hardware, the construction of soft environment mainly includes the cultivation of teachers' ability, the improvement of the teaching team, the improvement of teaching level, create a good teaching, teaching qualification for the construction of the hardware mainly includes the construction of teaching facilities, teaching resources access, etc. Discipline construction mainly refers to the construction of a scientific system with the characteristics of the school based on the construction of teachers and the orientation of the school's ability to promote research and development and improve the comprehensive ability to run schools. Talent cultivation mainly includes the classification and guidance principle for the cultivation of social responsibility, the cultivation of professional courses according to students' interests and hobbies, and the cultivation of students' correct learning methods, so that every student can develop his potential, closely connect with social reality, and improve students' practical ability [5].

### 2.3. Bootstrap Mechanism Analysis Algorithm

The mechanism of separation and guidance education is the way to interrelate the components of separation and guidance education and to make separation and guidance education run. It includes three types of formal mechanism, hierarchical mechanism and functional mechanism of guiding education [6]. The formal mechanism of guiding education is to conduct guiding education according to different forms. Among them, the hierarchical mechanism of guiding education mainly includes macroscopic guiding education working mechanism, mesoscopic guiding education working mechanism and microscopic guiding education working mechanism, among which macroscopic, mesoscopic and microscopic guiding education work mechanism are classified and guided according to different dimensions. The main function mechanism of guiding education is to promote the classified guidance of education development by means of incentive, restriction and other conditions.

Understanding the structure of the guiding mechanism plays an important role in the analysis of the guiding mechanism. Quantifying the subjective mechanism into objective data is accomplished by means of mathematical modeling and statistics. Mechanism analysis algorithms include:

$$F = \int_0^{x^2} \sqrt{1+td} \quad (1)$$

Where, F stands for constraint capability, t stands for guarantee coefficient [7], and d stands for completeness index.

$$P = \frac{\partial^2 F}{\partial v} b \quad (2)$$

Where, P represents the ability to direct business [8], v represents the planning coefficient, and b represents the service level.

If  $F > P$ , the educational mechanism produces positive guidance and plays a role of mechanism promotion.

If  $F$

If  $F = P$ , the education mechanism doesn't work.

### 3. Case Analysis

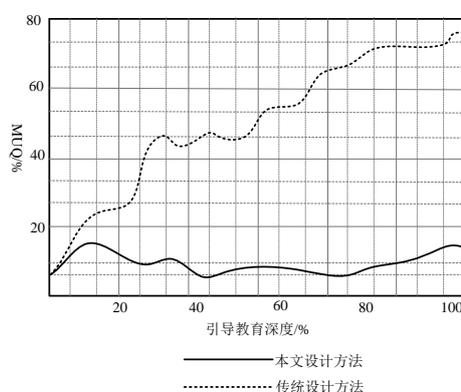
In order to ensure the effectiveness of the research on the connotation and mechanism of the classified guidance education work proposed in this paper, the students of sichuan university of science and technology are taken as the analysis objects to carry out mechanism quantization uncertainty and model overall operation analysis test. The different types and different structures of the classified guidance education work are simulated and analyzed. In order to ensure the validity of the test, the traditional classification guided education work analysis model was used as the comparison object to compare the two analysis results and present the test data in the same data chart.

#### 3.1. Data Preparation

In order to ensure the accuracy of simulation test, the test parameters are set. In this paper, different classification is adopted to guide the education work as the test object, and two different research methods are used to carry out mechanism quantization uncertainty and model whole operation analysis test on the students of sichuan university of science and technology, and analyze the test results. Since the analysis results obtained in different methods are different from the analysis methods, it is necessary to ensure the consistency of test environment parameters during the test.

#### 3.2. Mechanism Quantization Uncertainty Analysis

During the experiment, two different research methods were used to work in the analysis environment, and the mechanism was analyzed to quantify the uncertain changes. At the same time, because two different research methods were adopted, the Analysis results could not be directly compared. Therefore, the third-party Analysis recording software was used to record and analyze the test process and results, and the results were displayed in the comparison result curve of the test. In the curve of Analysis test results, the Analysis function is used to eliminate systematic error and human error of Analysis, and only classification and guidance of education work are conducted for different students of sichuan university of science and technology. Different research methods are used to carry out mechanism quantization uncertainty and Analysis test. The comparison curve of the experimental results of its mechanism quantization uncertainty is shown in figure 1.



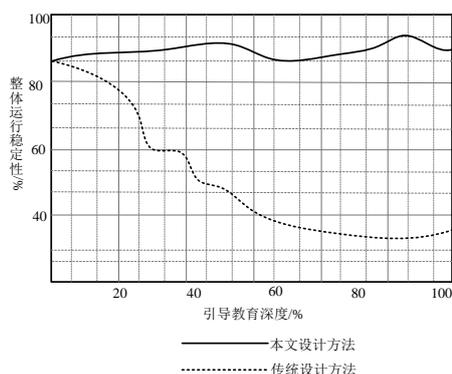
**Figure 1.** Comparison result curve of mechanism quantization uncertainty test

Mechanism of quantitative Uncertainty (Mechanism Quantifies Uncertainty) using MQU as quantitative standard, according to the result of experiment contrast curve can be seen that the present design method are traditional design method of the overall Uncertainty is low, as the guiding education depth change, the Uncertainty of quantitative parameters variation is not

obvious, the whole present, when the guide language education depth increased from 0 to 20%, the design method in this paper, the Uncertainty increased slightly, then a slow downward trend. , with the traditional design method of the uncertainty increases with increased with the depth of the guide education, to guide education depth by 20% to 40% in the first peak of uncertainty after the change is relatively stable, guide education depth by 60% to 80% in the second peak, uncertainty analysis and calculation through third-party software, in this paper, design method of the overall average MUQ is 10.08%, the traditional design method of the overall average MUQ is 58.71%, and concluded in this paper, the design method is 48.63% lower than traditional design method of uncertainty.

### 3.3. Stability Analysis of the Overall Operation of the Model

During the trial, using two different methods on the Analysis of the working environment, the change of the overall Analysis of the model operation, selection Analysis, the third party Analysis record software at the same time, the test process and results are recorded, processing, Analysis, only according to different classification guide educational work, different research methods, to analyze the overall model operation test. The comparison curve of the overall running stability test results of the model is shown in figure 2.



**Figure 2.** Comparison result curve of the overall running stability test of the model

According to the experimental comparison results curve can be seen that the design method of overall stability is high, changes with the depth of guide language, and overall stability changes smoothly, the minimum depth of stability in the leadership education was 60%, the overall stability of 88.3%, the highest running stability in guiding education depth was 94%, the overall stability of 96.8%, and the traditional design method of overall stability decreased with increasing the depth of guide education, to guide education depth of 0 to 20% running stability is good, but when the guide education depth of more than 20%, the overall stability and fast drop, According to the calculation of third-party analysis and recording software, the overall operating stability of the design method in this paper is 90.25%, while the overall operating stability of the traditional design method is 39.12%. Therefore, the overall operating stability of the design method in this paper is 51.13% higher than that of the traditional design method.

## 4. Summary

This paper puts forward the classification guidance education.

## References

- [1] Chen khalid ents horizon, the connotation of management education is determined and the practice path [J]. Journal of ideological and theoretical education Tribune, 2016, 14 (3) : 140-142.

- [2] LouMei qing. The all-round education thought promoting adult colleges and universities student activity effectiveness research [J]. China's adult education, 2016, 11 (7) : 87-89.
- [3] Wu Nazhong. Higher vocational professional evaluation to guide the practical reason, logic operation and guarantee [J]. Journal of education and profession, 2016, 4 (16) : 29-24.
- [4] Soldiers, ho Shen Yanbing, Shen Yanming. Employment guidance education into the mechanism research of graduate student training process [J]. Journal of degree and graduate education, 2017,
- [5] Long xue-mei, Chen guo-hua. Guiding role of practical thinking in innovative education for college students [J]. Heilongjiang higher education research, 2017. 19 (4) : 145-147.
- [6] Gu Hongying. Khalid ents as fundamental to strengthen college students' ideological and political education work [J]. Journal of ideological and theoretical education Tribune, 2017, 22 (8) : 123-126.
- [7] Chen Jun, qing-rong xu. Education for the students' affairs administration reform practice study [J]. Journal of party building and the school.