Research on the Developmental Trend of Education Economy and Management Major under the Perspectives of Policy Reform and Subject Game

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Abstract

In this paper, we conduct research on the developmental trend of education economy and management major under the perspectives of policy reform and subject game. Education economics and management are two tied for the secondary education management and the education economics discipline in 1997 to adjust the merger of a cross subject. The development of higher education is refers to the cause of higher education by man's subjective activity to achieve the purpose of process as often characterized by the higher education gross enrollment ratio and the main working age population average received increasing the proportion of the higher education, it is a certain period of a country of the higher education enterprise overall reflection of the change process and results. This paper combines the state-of-the-art methodologies to propose the new perspective of the education economy and management subject development that will be meaningful.

Keywords: Developmental Trend, Education Economy, Policy Reform, Subject Game.

Introduction

Education economics and management are two tied for the secondary education management and the education economics discipline in 1997 to adjust the merger of a cross subject. Education in our country economic and management disciplines in recent 10 years the practice course of growing in size, but start intrinsic motivation, disciplines status is not independent, inadequate study, structural employment difficult problem gradually revealed [1,2,3].

Based on the literature review, the challenges for the education economics and management can be summarized as the following aspects. (1) Structural employment hardship. Education economics and management subject setting is the purpose of using the research methods of economics, management science, the research in the field of the education phenomenon, behavior and law, for government departments and non-governmental public institutions to develop modern public management theory and basic public policy accomplishment, grasp the advanced analysis methods and technology, and education management and education of the education economic policy leaders, managers, policy analysts, such as personnel. (2) Subject has the basic intrinsic motivation. Education economics and management disciplines set by our government for the talent cultivation and the development of the discipline of the guiding ideology for refuge, in essence is a kind of administrative subject. Therefore, education economics and management disciplines insufficient endogenous power slightly. (3) The inadequate discipline institutionalization. Thackeray and Morton have pointed out that the

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subject of the institutionalized refers to in a state of the scattered and lack of independence of a research into an independent with the organized the discipline process.

The development of higher education is refers to the cause of higher education by man's subjective activity to achieve the purpose of process as often characterized by higher education gross enrollment ratio and the main working age population average received increasing the proportion of the higher education, it is a certain period of a country of higher education enterprise overall reflection of the change process and results. In the higher education inside and outside environment of profound and complex changes in today's China, speed up the transformation of the mode of development of higher education is essential to the development of the China's higher education. China is in the economic construction, political construction, cultural construction, social construction, and comprehensively promotes ecological civilization construction in the new period and the domestic environment for the development of higher education is undergoing profound and complex changes.

Figure 1. The Demonstration of the Principles of the Education.

In this paper, we conduct research on the developmental trend of education economy and the management major under the perspectives of the policy reform and subject game. In the sub-sections shown in the later parts, we will analyze the corresponding issues in detail.

The Proposed Methodology

The Subject Game Analysis. Containing the multidisciplinary optimization of complex systems is different from a single system of the optimization, the decision-making behavior of mutual influence mutual decision optimization problems of the system. Interdisciplinary separation system of general multi-objective optimization cannot be directly used to describe a single mathematical programming model of basic system optimization problems. Game theory in the applied undergraduate application management discipline specialized fundamental course resources can be listed as follows.

- Incomplete information dynamic between teachers and the students. Incomplete information dynamic game is to point to in the dynamic game, under the condition of general incomplete information, due to the action sequence, after the actors can by observing the actions of the actors, first get information about the actors first, to confirm or modify his actors action first.
• Complete information static game between teachers and students. Complete information static game, it is to point to all the participants for each other have accurate knowledge strategy sets, payoff function, gambling behavior at the same time. The game process between the students and teachers as follows: the teacher according to students' teaching effect is good or bad to decide whether to manage discipline professional basic course of resource optimization.

• Incomplete information static game between teachers and students. Incomplete information static game, it is to point to at least one player didn't fully understand the characteristics of another player, or don't know what a real type of participants, but the probability of know the appearance of each type [4,5,6].

Participants in the game theory, on the one hand, guessing strategy to other participants, calculate various strategies under the possibility of payment at the same time, in practice however, in general, it is difficult to calculate profit. At that moment, people tend to prepare the all kinds of the alternative strategies, when other participants adopt the certain strategy, and they will be decided to take some strategies. Under this basis, we should take the following issues into consideration while thinking of subject game analysis. (1) Inductive reasoning in incomplete information static game. In incomplete information game, the game player's profit function is not common knowledge, participants can't know exactly what the other participants in the payoff function, even if the only exist in the game of Nash equilibrium, the equilibrium is not public knowledge, and it's impossible equilibrium in a game, but must be achieved through the repeated game. (2) Deductive reasoning in the complete information dynamic game. It is essentially a deductive reasoning, because it comes from the conclusions of the proposition, backward step by step, finally it is concluded that the premise as is a kind of complete induction, reasoning is necessity. That is to say, as long as if true, the conclusion must be true. (3) The complete information static game of deductive reasoning. Because the game of Nash equilibrium is (confess, confess), it is the only, and the Nash equilibrium is the "public intellectual" participants, participants must make decisions at the same time, if not make a decision at the same time, after a also don't know to take action by people to make decisions, so it is a kind of static game.

The University Policy Changes. Science, technology and innovation is the basic foundation of economic and social development. Science and the scientific knowledge production and technology materializing scientific knowledge of a certain professional technology and production technology, the innovation based on science and technology solutions for effective utilization in the economic.

Researches of the "science for policy" in China have just started, as a new research direction has a wealth of research value. At present our country is lack of science and technology innovation policy theory, and there are many defects, science and technology innovation policy mechanism still belongs to the lacunae in the study. Based on the interaction of policy and science of science and technology innovation policy research in interpreting reality policy mismatch between supply and demand and malfunctions took an important step can deepen the understanding of the science and technology innovation policy reality and grasp, to enhance overall explanatory power of science and technology innovation policy mechanism, the reform can be them categorized as listed aspects.

• Information dissemination mechanism, the information dissemination mechanism directly through the information communication means to explain science and
technology innovation policy, achieve the purpose of ease of science and technology innovation policy issues.

- Legal or regulatory mechanisms: legal or regulatory mechanism by standardizing innovators individuals or organizations to participate in activities of science and technology innovation to mitigate the scope of science and technology innovation activities.
- Fiscal mechanism, fiscal mechanism using tax, financial aid, discount loans, issuing bonds, set up a special fund, free aid fiscal stimulus or inhibit the means to solve the problem of the science and technology innovation activities [7].

**The Economics and Management with the Educational Concern.** Technology economy and management is to point to achieve goals, effective use of resources, the technical economy decision, plan, coordinate, control and management of organization. Technology economy and management is systematic, comprehensive and complexity. It includes the management of engineering construction procedure, construction project feasibility study and the management of the economic forecasting decision-making method, the determination of the composition of the project control, etc. In terms of objective, each subject development has the certain regularity, education so is the development of the economy and management discipline, the discipline is not going to solve the difficulties, we need to gradually solve in the process of the development of the discipline.

For this issue, we should consider the problem based on the following aspects. (1) Construct the good teaching resources and the curriculum system. Build a staff capable, good quality, reasonable structure combination, distinctive, relatively stable teachers will not only help to train the innovative ability of graduate students, but also for the education scientific research on the economics and the management disciplines to provide intellectual support. (2) Establish subject standards and national standards for education. National standards for education should include two kinds: one kind is operating, acquisition of the valuation of the higher education quality standard as is the result of the education condition, process, assess the systemized standard community, including the conditional standard, process standards and the results. Another kind is to describe the raising sexually higher education quality standards. Mainly for higher education personnel training in the professional goal, content, teaching process, teacher quality requirements of specification. (3) To improve the traditional teaching organization form and innovative teaching methods. Extend in the teaching process, employ the experts in related disciplines famous or have done by holding the lecture, the professor dynamic course lectures rich form of students' knowledge, widen their thinking. At the same time, invite some specific engaged in administrative management in colleges and universities, scientific research work of teachers and leaders of "appearing" to make education economy and management majors graduate students more truly listening to the sound of one of the most basic, so as to guide the practice in the future. As illustration, the figure one shows the education and economic growth relations.
The Development Trend of the Higher Education. The development of higher education and the policy innovation has a vital link. The healthy development of higher education cannot leave the education policy guidance, and guide the development of the education should contain a kind of the innovation education policy itself character and the spirit. When in theory to clarify the relationship between education development and policy innovation, the development of higher education demand for policy innovation point is sound in it. The related theory can be separated into the listed aspects.

- The growth of the education development is the amount of the education and improving. The amount of education is a comprehensive concept of growth, it show the different levels and different categories of the growth of the education. Different countries, different levels of the economic development and the growth of the amount of different political institutions of the education have different requirements [8].

- Education development should take the general development of the people as the fundamental purpose and the ultimate goal. The development inevitable requirement of modern society to standard the development of the education in the development of the people as the standard, as education development is the only way to realize people's development.

- The improvement of the education development is education structure and basic enhanced functionality. Structure of education refers to all kinds of education at all levels between the compositions of the situation. The improvement of the education structure is a sign of the education development and also is the important pursuit of the education development. The important trend of modern education is lifelong education that is a kind of the development of the education.

- The demand of the development of modern education to the education policy and rely on is the political attribute of with modern education inseparable. Social education system has been integrated into the framework of the system of social system and education system itself is an integral part of social system.

Conclusion

In this paper, we conduct research on the developmental trend of the education economy and the management major under the perspectives of the policy reform and subject game. We set up the
index system of higher education development in our country the goal is to uncover the relevant factors in the higher education system in our country the development and changes, as well as the further implementation of the policy of higher education in our country and the correlation of various higher education measure makes education of our country administrative departments and researchers in related to comprehensive, accurate and objective understanding of China's higher education system, on the basis of operation and development status, measure, monitor and evaluate the development of higher education in our country, maintain its advantages and strengths, overcome its shortcomings and the insufficiency. In the future, we will conduct systematic modelling of the game theory to test the performance of the proposed methodology.

References


