

Study of Applied Economics Research Methods under Open Economic Environment

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Abstract. Application of economics to help China's economic development, its research methods also change the scientific development China has a great role, but an open economic environment on applied economics put forward new demands, new economic changes require new research methods. In this paper, a new method of system changes in China's economy in an open environment analysis and applied economics change, designed to give a new direction for China's new situation of applied economics research methods.

Introduction

Throughout the history of scientific development, including the social sciences, including scientific research a real sense, in verification or construct theory, while always should consciously promote the use of research methods and disciplines of the scientific method itself progress. Since the 1980s, social science and that alone is "pacing Fangbu" will be able to win lopsided era, this is a significant scientific progress, the inevitable law of development of the science return, highlights the reform and opening up great progress brings great practice of social science research. With the expansion of economic reform and opening up to promote China's economic and management science fields it is profound, extensive and complex academic change occurred. In this sense, it has developed with the natural sciences have been the same thing.

In the historical process of scientific research development, research method is defined as "the main method used by a discipline, rules and basic principles" (Ethridge, R., 1995). Choose a specific scientific research method problems is organic combination of multi-level methodology. In general, philosophical methodology to build the foundation of all methodology, methodology theoretical economics, applied economics and specialized areas constitute an organic structure in the field of applied economics discipline problems specific research methodology system. Any scientific progress not only a subject area are inevitably bring improved research methods, major scientific progress and may even promote revolutionary change scientific methodology; and the basic content of any discipline by the theories and methods of composition, both indispensable. Specification and selection process is an important part of scientific research methods and program design, and has important scientific significance. Scientific research in the process of self-exploration is a strong awareness of scientific issues driven by the aim of knowledge creation and innovation specific scientific disciplines, scientific observation from the perspective of historical development and knowledge creation is a process of accumulation.

With the changes and open economy and society, more than 30 years of change and transformation of academic scientific research methods, it has been the practice of China constitute an important academic economists and management scholars. However, based on how specific and different contexts, proper use of research methods dividend shift change, and promote sustained progress of economic research, it is a different subject areas equally important emerging scientific issues must be tackled but significant problem. The key change is that the scientific method of scientific research methods to select and specific diversity of applicable methods set reasonable premise.

Situation of Applied Economics Research Methods in Open Environment

Methods for Applied Economics Research to explore the open environment is very important, it not only affects the overall development of science, but also for each individual subject of great significance. Specification and selection of research methods is always an important part of the process of constituting the scientific and practical program design, leaving it unable to conduct scientific research on, and cannot push on into practice.

Throughout the development of the social sciences, development of scientific research on the largely built during verification or construct theories by the use of research methods, research methods in virtually all disciplines to promote the use of new scientific methods and all disciplinary research method itself progress. Methodology of theoretical economics, applied economics and specialized areas constitute the research methods in the areas of applied economics within subject-specific issues, and these issues specific subject disciplines and research methods to build a system of organic theory applied economics research methods. Therefore, that is, change any discipline will give research methods applied economics and the whole field of science research methods to bring about change and progress in any subject area will bring an overall improvement of the scientific method even revolutionary change.

China's Economy Development Trend in Opening Economic Environment

Since the 1980s, various disciplines of research methods transform a prominent phenomenon, is showing a distinct methodology of diversity. Before the reform, a fairly long period of time and the beginning of reform and opening up, the vast majority of research methods using a single qualitative research. With the continued advance of reform and opening process, the emergence of a large number of economic and social development requires the use of modern scientific method to explore the major theoretical and practical problem solving. More urgent, with the implementation of China's opening-up strategy, with similar natural sciences, humanities and social sciences of the original with a strong ideological color is to the forefront of reform and opening. How to achieve globalization of humanities and social science background with the international academic community, constitute the reform and opening up of China's social scientific progress and academic success change the direction and one of the keys. And with the gradual evolution of China's economic reform goals to establish and improve the socialist market economy, especially the application of economics research object of economics, showing a distinct convergence with Western mature market economies. A major shift in the study of the various disciplines is scientific laws of humanities and social sciences, especially of applied economics change the basic requirements of academic nature.

With the continuous progress of the world economy and technology, integration trends in the world economy continues to strengthen, the continuous improvement of the degree of openness of countries, fewer trade barriers and other restrictions, goods and capital flows in the world are increasing size and speed, This makes China's economy reflects the following trends. (1) The contribution of industry to the national economy decreased and the tertiary industry catch up. (2) Learn to developed countries and continue to adjust the industrial structure. (3) The development of regional economy to boost the overall economy forward. (4) Foreign trade expanding, full integration into the international economic system. (5) The development of labor economic research. Continue to improve (6) the financial sector and with the international market.

The Challenges of Original Economics in the Open Economic Environment

Under the influence of new trends in the global economy, the original qualitative research methods have been unable to meet the new changes in China's economic field, the research methods applied economics put forward new demands. Original application economics faced two challenges.

With the accelerated pace of China's opening to form an open economic environment, China's applied economics from the architecture, the main contents of the research methods are increasingly

showing behind the development of the characteristics of the times, unable to keep up with China's economy the pace of development, to support it.

Applied economics research of today has been stalled at the theoretical level, the lack of in-depth analysis of China's unique situation, or even that applied economics does not really have localization features. For this, we urgently need to explore a research method applied economics of an open environment fit.

The Application Economics Research Methods in the Open Economy Environment

Applied economics discipline has its own specific location, it is the study of allocation of production factors, economic development and operation of social product distribution law of a discipline, its research object must be closely linked with the objective practice, can economic content of specific operations, that the practice of people to provide a theoretical basis and guidance; it requires some analysis to expand the framework of systematic exposition of the theory, provide rigorous analysis of feasible ideas for related economic activity, is the study of a particular economic environment overall framework.

Along with economic and social changes, the country experienced a shift in closed planned economy to an open market economy. Study Applied Economics in promoting sustained and rapid economic growth, expanding opening up and the gradual improvement of the socialist market economic system at the same time, is also studying the great practice of reform and opening up has been growing, began well on its way to the guidance of Marxism, combined with China's national conditions of applied economics theory system evolve, becoming an important part of the socialist economy with Chinese characteristics, but also continue to promote the progress of China's economic level.

Reform and opening up, China's economy and society need to use large numbers of contemporary scientific research methods to explore and solve major theoretical and practical issues, for which a large number of foreign scholars began to research in the same field introduction and learn from domestic subject research methods has been greatly improved.

For decades, statistics and quantitative economics gradually become a mainstream method of research in the field of applied economics, and China's economic development has made tremendous contributions. It is in our economic theory and reality-based, quantitative analysis, on the basis of empirical research, as our various fields of economy, various aspects of the problem provides a research direction, so that the overall economic management and economic research agencies to analyze the economic situation, study practical economic issues and to develop appropriate economic policies, while also advancing the economics of the number of model nonlinear equation analysis method began to change, to get rid of the original simple linear equation analysis, using data from the time series data extended to all levels, the development of model estimation methods to the non-parametric, semi-parametric estimation methods to achieve a non-equilibrium, non-stabilized transition study.

Since quantitative empirical research more attention to the conclusions actually observed, it does describe things only emphasizes the process itself, involving the proper use of the standard of value is less, at the same time, due to China's development mode, run the system design as well as various economic organizations interest demands, cultural and psychological factors, both historical tradition and heritage of other countries, the Western economic model copy rigidly to the economic development of our country, our economy could have a bad influence. Therefore, in the study model of the Western world, its applicable conditions precedent to the relationship between the variables and its mathematical expression has changed, in the application, its adaptability condition model must be comprehensive, rigorous scrutiny and judgment. But this examination and judgment with some difficulty, their judgment is different to different people, but also time-consuming and laborious.

We believe that qualitative research should be introduced. Qualitative research can be set to determine the value of the standard questions, so that different scholars judged according to uniform

standards, combined quantitative research, it can largely be accurately applied to the Western model of economic research in.

Therefore, qualitative and quantitative analysis combined to form a new research system. Construction on the analysis of the original research model of Western economies, basic conditions and dependent on context, in accordance with that part of the original model is not suitable for China's economic development resulting qualitative criteria to judge, a fundamental transformation in the build, and the model The other part of the environment in our country after the qualitative or quantitative research, reassign precedent variable mathematical expressions between the economic implications of new or updated variable mutual relations, the Western economic model with the greatest degree of economy combined ensure that research fast, timely and accurate for the study of the economic problems of applied economics at the development of the economic environment and provide new research methods.

Conclusion

How according to specific and different contexts, proper use of the influence brought about change research methods, and promote sustained progress of economic research is an urgent need to address the major problem. The method of quantitative and qualitative methods of combining a direction but we proposed, and change the overall scientific method, the key is to choose a reasonable set of scientific research methods diversity and specific research methods applicable premise, therefore, here I hope the peer scholars can encourage each other, with the progress, to pay attention to specific problems at the research on this issue, in order to jointly promote the application of new construction economics research methods.

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