On the true face of the economic statistics

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Abstract

In 2012, China National Ministry of Education issued a new undergraduate course catalog, economic statistics to be classified as a second level discipline of applied economics. However, what specific content should be included in the second level discipline has become a very important issue. What should be taught to students or how can they adapt to the needs of the social market aroused a wide attention. For this case, the National Ministry of Education has given a clearly provision for economic statistics' core courses, but whether these main courses can reflect the actual needs and characteristics of economic statistics or not still needs some considerations and discussions.

This article started from the angle of the studies on China and the U.S. Journals concerning economic statistics. Using text mining by R, a recent mainstream statistical analysis software, a comparative analysis on the contents of economic statistics is conducted for recent decades. We created word cloud about the contents of core statistical journals by R which can help us visually examine the course of economic statistics discipline development for the comparative study. Besides, we drew a conclusion that there were significant differences between China and America's economic statistics, the main difference is the United States pay more attention to the exploration of new methods and be able to adapt to market demand, the development of China's economic statistics are still more traditional, it need a better understanding of the multi-disciplinary knowledge of education,especially interdisciplinary and cross-disciplinary learning, such as Bayesian and dynamics, though these are not belongs to the category of the economy, but it is in the use of statistical methods to solve economic problems which have plays increasingly prominent role.Another is that the curriculum of China's economic statistics are corrected for China's actual situation, a new training program pay more attention to students' practical ability and social practice, which has provided a guarantee for the healthy development of China's economic statistics. There are a lot of practical problems remain untouched or unsolved which need efforts of decades probably.

Key Words: economic statistics, text mining, word cloud, comparative analysis