Statistical Accounting Method of Information Industry

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In this paper, the basic theory of Economics, especially Statistics, is applied to reveal and induce the basic connotation of Information Industry, the basic classification of Information Industrial Statistical Accounting and Information Industrial Accounting Method and its demonstration analysis, which have significant academic and practical meaning.

This paper firstly summarizes the studies on Information Industry, induces the viewpoints of wide school, narrow school combination of wide and narrow school and multiple angle analysis school. On this base, the following problems are emphatically studied and then some new viewpoints are presented.

1. The basic connotation of Information Industry is studied and discussed, based on developing the theory of three level industrial classification, Information Industry, which follows Agriculture Industry, Machinery Industry and Service Industry, is defined as the fourth industry which includes Information Machinery Industry, Information Service Industry and Information Exploitation Industry. In the course of human society informationization, Information Industry is the sum of mankind’s all social activities of producing, collecting, processing, transforming, and transmitting information products and of direct providing mediums, techniques and material carriers for them. In Succession, the signs and characters of Information Industry are discussed. We hold that in the course of formation of Information Industry, there are at least four signs: Independence of information Industrial Sectors; Comparatively complete categories of Information Industrial Sectors; Information Industry labor is of profession and payment; Industrialization and autononalization of core techniques of modern information techniques. Compared with traditional industry Information Industry has many new characters: Density in knowledge and intelligence; Highly frequent innovation; Strong infiltration; High proliferation and profitability; Multilevel compositeness; New and developing forerunner industry of strategy; Large input; High risk; Saving resources and energies and with low public hazard.

2. According to the Statistical Classification Standard of National Basic Statistical Unit Census and the classification principles which should be followed, this paper redefines the scope of Information Industrial Statistical Accounting and gives its concretely full and accurate classification. Information Machinery Industry includes: Electronic and Computer Equipment Manufacturing containing five mid-classes ten small-classes; Telecommunication Equipment Manufacturing containing four mid-classes eight small-classes; Instruments, Meters, Cultural and Clerical Machinery Manufacturing containing eight mid-classes twenty-seven small-classes; Printing and Record Medium Reproduction containing two mid-classes threems small-classes; Information Chemicals Manufacturing; Cultural, Educational and Sports Goods Manufacturing containing six mid-classes twelve small-classes; Other Information Equipment Manufacturing. Information Service Industry includes: Post and Telecommunication containing three mid-classes; Information and Consultancy Services containing three mid-classes four small-classes; Education containing three mid-classes thirteen small-classes; Culture and Arts containing nine mid-classes; Radio, Film and Television containing three mid-classes; Scientific Research and Polytechnical Services containing two mid-classes seven small-classes; Government and Party Agencies and Social Organizations containing five mid-classes; Real Estate Brokerage and Agencies containing two mid-classes; Geological Prospecting containing seven mid-classes; Wholesale and Retail Trade of Information Equipment and Carriers. Information Exploitation Industry includes: Software Development containing four mid-classes; Data Exploitation and Application containing four mid-classes.
In this paper, Information Industrial Accounting Method is deeply discussed and accounting contents and indicators system of Information Industry are advanced. Accounting contents involve the whole process of Production, Circulation and service, etc. in this industry. This paper also gives Information Industrial Survey methods, which include Synthetic Survey, Sector Survey, Sampling Survey and Typical Survey, and accounting methods, which contain two parts; the source of data and the survey and calculation of concrete indicators.

Moreover, this paper lays stress on the demonstration analysis of the development of Information Industry in Heilongjiang province.