

New Type of Library Service Items

——Research on Service based on Bibliometrics

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Abstract. This thesis puts forward a concept that is defined as bibliometrics service. It's a sort of information service which carries out precise statistical analysis to various literature metrology characteristics by combining computer technology and mathematical analysis tool to conclude rules of literature information, method of literature management and science development tendency; It's a sort of academic professional service that provides distribution comprehensively maps for readers and society; It's a brand-new sort of basic library service item. Meanwhile, after discussing the connotation, the basis of expansion and the content of services, the thesis considers that libraries have basically processed kinds of qualification to carry out bibliometrics service and try to furnish this kind of service.

Introduction

Library service is a significant research field,^[1] attracting many scholars to research and collect interesting viewpoints and theories. For instance, Jiang Yongfu has proved libraries must abide by following basic principles including openness, convenience, equality, innovation, satisfaction and so on;^[2] Zhang Yuzhen has emphasized the rationality about differentiated service after discussing the relationship between equal service and differentiated service;^[3] ChangWe has concluded library quality evaluation method;^[4] HuJiancheng has puts forward the usage of relatively sound Internet would contribute to developing shared service of acoustic image information resources, thereby improving officers' information consciousness and information quality;^[5] WangZheng has discussed some relationship between information service and knowledge service as concept, connotation, relationship, distinguish and form;^[6] Liang Keke has proposed some problems about knowledge management and library service innovation;^[7] Zhang Xiaoqing has expounded the searching consultants in scientific and technological information libraries provide pioneering science literature information products and the service value of participation in markets;^[8] Liu Dongmei has analyzed existing problems in knowledge service, and come up with that knowledge service aims to supply knowledge architecture for readers, and it is impossible to replace literature service and information service;^[9] Lu Binling has thought that the university library should actively participate social life to accelerate community economic development and the social progress in many aspects including civilization, education, scientific research and so on, consequently organizing community information service.^[10]

Therefore, according to those scholars' research, this thesis firstly proposes bibliometrics service and carries out related research includes connotation、 expansion gist and service content. As the same time the thesis considers that bibliometrics service is one of the basic services recently badly demanded, and this service is the accompanying measure to promote the development of knowledge production.

Connotation of bibliometrics service

Bibliometrics service is the accompanying measure that could facilitate the knowledge production; It also is important content among the information analysis, library work and academic activity; It is a kind of information service work that discoveries information service rules, literature management method and science development tendency by statistical analyzing all kinds of bibliometrics

features with mathematical analysis tool and computer technology. The service content is principal to provide all-around literature distribution blueprint for readers and society. Comparing with the traditional library service, brand-new library service processes following diverse features:

Diverse service content. Traditional library service is principal to supply to readers with borrowing and inquiry, actually it can help readers to get their necessary literatures. Isotopic carrier is literature itself. Therefore, bibliometrics service is statistical information that can supply literatures' quantitative statistical data and literatures' relative items comprehension to readers.

Diverse service items. Traditional library service is aimed at making all readers to get their necessary literatures, and that bibliometrics service is aimed at making readers to attain distribution and relative statistical information about literatures needed badly.

Diverse service hierarchy. Traditional library service includes lower technical content and lower hierarchical service work which usually can be perfectly accomplished by people who are basically trained. The work contains literature management and peripheral work. Whereas bibliometrics service that uses statistical analyzing all kinds of bibliometrics features with mathematical analysis tool and computer technology discoveries rules of literature information, method of literature management and tendency science development, and that need servicers who must grasps certain information analysis and literature data mining technology with higher technical quality. In addition, it includes deepening an indiscriminate social labor which is a higher hierarchy knowledge service work.

Diverse service function. The purpose of Traditional library service is main to accelerate literatures' circulation and knowledge dissemination, but it is not equipped with analysis function about writers, academic institution and social academic development situation.

Gist of expansion to bibliometrics service

Analysis of social demand. Whether expanding a sort of service is closely related to social demand. In other words, it is depend on social demand that whether expanding bibliometrics service. Consequently, this thesis analyzes social demand in detail, as follow:

① Expanding bibliometrics service is necessary to science development

Development of every subject necessarily experience a course includes sprout, evolution, mature, aged and differentiation and so on. In addition, there is a close correlation between development tendency and particular academic literature every stage. For example, the relative literatures are lesser in the first stage; when subject is being evolution stage literatures will rapidly increasing and will gradually get a saturation; As time goes , the literatures will reduce when the subject is differentiated. That is to say, we can trace out the development situation of subjects by bibliometrics and statistic analysis. Accordingly, this method makes researchers to comprehend deep leading-edge development tendency about some subject with promoting the production of knowledge. Meanwhile, bibliometrics analysis is frequent, universal and dynamic during the process of researching activities. Hence, bibliometrics analysis which is occasional, individual and single impossibly finishes subject development blueprint completely. If we expand library bibliometrics service subjects will get a sound development.

② Expanding bibliometrics service is necessary to academic performance evaluation

Recently, academic achievements in our country are closely related to the self-interest of researchers and academic institution. For example, academic literatures have published are the criterion to professional title, project application and the appraisalment through comparison of academic institution in a large part. A number of problems have emerged including low quality literatures and academic corruption under the drive of this kind of interest. The harm about these issues is self-evident, and we have to solve them. But the still lack of a specialized academic supervisory organization and mechanism lower degree of attention to academic corruption to be hardly efficiency. Moreover, On account of bibliometris service reflecting the science situation, that is, it can reflect literature quality to a large extent, this brand-new service must be the effective mechanism in the aspect of academic supervision, and it also is the internal need of academic

performance evaluation.

③Expanding bibliometrics is necessary to human resource management

The ultimate social development of is human development, and the ultimate social competition is human resource competition. Therefore, any society and any institution all expect to get a clear knowledge for their human resource with social competition being determined. Moreover, literature can reflect writers' research competence largely. That is, the blueprint of human resource will be traced out by inspecting literatures. And one of the significant contents of inspecting literatures is bibliometrics. Bibliometrics is an exploration method that is easy to be realized and extensively investigated, and it also is a quantitative and objective index. Consequently, expanding bibliometrics service is the need of human resource management.

④Expanding bibliometrics service is necessary to students learning

The source of students' knowledge is basically from two aspects: first one is teachers' impartment; Second one is reading literatures. Both teachers' competence and literature situation are expected to know by students, and they are benefit to students. Especially some research-oriented learning, teachers' competence and literatures situation play a critical role during learning. Expanding bibliometrics service is an effective method that shows teachers' competence and literatures situation for students. SO expanding bibliometrics service is the need of students' learning.

In a word, bibliometrics is necessary to social development, and it is the same as some social statistic work including price of commodities statistics, industry index and population distribution; It also is a kind of data statistical work that is related closely to social knowledge production. Bibliometrics processes a great demand motivation in activities of knowledge society.

Material basis. The core content of bibliometrics service is bibliometrics. That is to say that only if it is convenient, inexpensive and sheared bibliometrics service is possibly expanded. Therefore, the material basis of bibliometrics service is the material basis that satisfies large-scale bibliometrics. It includes computing equipment, catalogue data of literatures and route of transmission. At present computer technology develops rapidly with lower price and sound infrastructure. Therefore, computer technology basically possesses conditions to expand bibliometrics service. But, literature catalogue data is relatively behind and bibliographical data is still not complete. Moreover, it is necessary that looks up the bibliographical data of national library with payment, in addition, English literatures catalogue data possibly are more expensive. Nevertheless, shared electronic catalogue data can satisfy present need basically. And, with the development of open access and public benefit access, the commercial limitation of catalogue data would be canceled gradually. Consequently, this thesis thinks that recently expanding bibliometrics service has materials basis.

Service staff. Bibliometrics service is a powerful technical method that asks for all of the service staff must get a well grasp of statistic analysis to features of various literatures metrology by mathematical analysis tool and computer technology. At present this type of human resource is still fewer, although university libraries are also rare. It might be the hardest problem for expanding bibliometrics service. It is normal that existing an issue that the lack of human resource when a new service and innovation started. But with the addition of service, this problem would be solved. In addition, this thesis considers that an issue about the lack of talents would be solved in a short time by some methods that include introducing professional staff, cultivating present librarians and strengthen library literature metrology competence of students who major in library.

Financial problem. Library is the program public good, and working capital is provided mainly by government. The capitals of most public libraries are limited. Although there is less capital investment of bibliometrics service, most of the libraries might be lack of capital. However, this thesis thinks that whether expanding bibliometrics service depends on social demand, and temporarily lack of capital would be overcome. For instance, we can solve the problem by applying funding for government, asking for additional value service charge to enterprises, reducing orders of paper literatures and sharing literatures with other libraries.

Internal content of bibliometrics

Bibliometrics is an all-around distributing blueprint for readers and society. All aspects as follow:

(1)Evaluation of learned periodical and publishing house

There are quality assessment, literature tendency, analysis of quote and index, impact factor and half-value period of literatures and so on.

(2)Evaluation of subject development

There is estimation in growth stage, predetermination of development tendency, comparative analysis each other, distribution of significant academic journals, distribution of authors and distribution of research institution.

(3)Assessment of authors

There are academic contribution, research expertise and potential ability in scientific research.

(4)Assessment of literatures

There are academic value of literatures, distribution of analogical literatures and maturing of literatures.

a.Assessment of academic institution

There are scientific research competence, distribution of preponderant major, development、situation of human resources and efficiency of knowledge production.

b.Macroscopically assessment of local areas and society

There are situation of academic development, productivity of knowledge, distribution of academic institution, situation of human resource and predetermination of knowledge-based economy.

Conclusions

As a brand-new type of basic service item, bibliometrics provides all-around distributing literature blueprint for readers and society; it explores and updates traditional library service; it also deepens results of bibliometrics development. Strong social demand has emerged in the knowledge society. Nowadays, object conditions of bibliometrics service are ample. Consequently, this thesis puts forward bibliometrics for facilitating the expansion of libraries.

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