

Exploration of “Curriculum Ideology and Politics” on the Construction of Bilingual Course –Principles of Statistics

Zixuan Gu

Wuhan Business University, Wuhan 430000, China

Abstract: In the era of globalization and informatization, bilingual education has gradually become an important part of higher education. As a basic and highly applied course, the construction of bilingual teaching in Principles of Statistics not only helps to improve students' professional quality, but also cultivates students' international vision and cross-cultural communication ability, which has become a new trend of higher education reform with the deep integration of ideological and political courses. From the perspective of “Curriculum Ideology and Politics”, This article will explore the path of bilingual curriculum construction in statistics principles, aiming to achieve the organic unity of professional knowledge imparting and value guidance, and cultivate high-quality talents with comprehensive development.

Keywords: Curriculum ideology and politics, Principles of statistics, Bilingual curriculum

Introduction

With the internationalization of higher education, bilingual courses play an increasingly important role in cultivating students' international competitiveness. As a scientific method to study data collection, collation, analysis and interpretation, statistical principles are widely used in many fields, such as economics, management, social sciences and so on. As a fundamental course of higher education, the bilingual teaching of Principles of Statistics is of great significance to improve students' ability of data analysis and cross-cultural communication.

However, traditional bilingual teaching often focuses on the cultivation of language skills, ignoring the improvement of students' ideological and political quality. In the construction of bilingual curriculum, how to effectively integrate the ideological and political elements of the curriculum, realize the organic unity of professional knowledge imparting and ideological value guidance, and integrate “knowledge, ability and quality” into the cultivation of talents is an important issue at present. The purpose of this essay is to explore the path of bilingual course construction of Principles of Statistics from the perspective of “Curriculum Ideology and Politics”.

1. The Necessity of the Combination of Bilingual Curriculum and "Curriculum Ideology and Politics"

The ideological and political curriculum was put forward by the Shanghai Municipal Government in 2014. Its connotation is to build a comprehensive educational concept that integrates the curriculum with ideological and political theory courses in the form of constructing a comprehensive education pattern for all staff, the whole process, and the entire curriculum, forming a synergistic effect, and taking "cultivating virtue and educating people" as the fundamental task of education.

1.1 The Conformity of Educational Objectives

"Curriculum Ideology and Politics" emphasizes the integration of ideological and political education into various courses to achieve the organic unity of knowledge imparting and value guidance^[1]. The bilingual teaching of Statistical Principles aims to train students to master the basic theories and methods of statistics and enhance their cross-cultural communication ability through bilingual environment. Both of them have a high degree of agreement in the goal of educating students, and are committed to cultivating high-quality talents with international vision, solid professional knowledge and good moral qualities.

1.2 Collaboration of Teaching Methods

"Curriculum Ideology and Politics" advocates the use of diversified teaching methods, such as case teaching, discussion teaching, project learning, etc., in order to stimulate students' interest in learning and initiative^[2]. These teaching methods are also applicable to the bilingual teaching of statistical principles. By introducing practical cases, organizing classroom discussions, and conducting project practices, students can use statistical principles to solve practical problems in a bilingual environment, while deepening their understanding and recognition of ideological and political elements.

1.3 Enhancing National Cultural Soft Power

Bilingual curriculum is an important window to show Chinese culture and spread Chinese voice. By integrating the ideological and political elements into the curriculum, we can promote excellent traditional Chinese culture, enhance students' cultural self-confidence and national pride, and thus enhance the country's cultural soft power.

2. The integration point between the Course of Principles of Statistics and "Curriculum Ideology and Politics"

2.1 Data Collection and Cultivation of Pragmatic Spirit

In Statistics Principles course, data collection data collection is a fundamental and crucial step. By guiding students to participate in the actual data collection process, we can cultivate their rigorous and truth-seeking scientific attitude. Meanwhile, combined with the ideological and political requirements of the course, we can further emphasize the importance of data authenticity, guide students to establish a sense of integrity and adhere to academic ethics.

2.2 Improvement of Data Analysis and Dialectical Thinking Ability

Data analysis is one of the core contents of statistics. In the process of bilingual teaching, introducing domestic and foreign cases and guiding students to use dialectical thinking to analyze and interpret data can help them have a more comprehensive understanding of problems and more accurate grasp of patterns. In addition, combined with the ideological and political requirements of the course, students can also be guided to pay attention to the social value orientation behind data analysis and cultivate their sense of social responsibility.

2.3 Education of Statistical Ethics and Professional Conduct

Integrating the education of statistical ethics and professional ethics into the course of Principles of Statistics is an important part of "Curriculum Ideology and Politics". By explaining the ethical norms and professional ethics requirements in statistical work, students can establish correct values and enhance their professional ethics awareness. Meanwhile, combined with the characteristics of bilingual teaching, it can also guide students to pay attention to international statistical ethics standards, and enhance their international vision and cross-cultural communication ability.

3. Exploration of "Curriculum Ideology and Politics" on the Construction of Bilingual Course -- Principles of Statistics

3.1 Definition of ideological and political objectives of the course

In the setting of curriculum objectives, ideological and political education should be clearly included in the bilingual curriculum system of Statistical Principles^[3]. In addition to mastering the basic theories and methods of statistics and improving the ability of bilingual communication, we should also add ideological and political objectives, such as cultivating students' sense of data integrity, scientific spirit and social responsibility. These ideological and political goals should be integrated throughout the entire teaching process, detailed to specific chapters and knowledge points, and become one of the important indicators for evaluating students' learning effectiveness.

3.2 Construction of teaching content system integrating ideological and political elements

The primary task is to construct a teaching content system that integrates ideological and political elements, in response to the characteristics of Principles of Statistics course and the demand for bilingual teaching^[4]. Specifically, we can start from the following aspects: Firstly, we should dig deeply into the ideological and political resources in the curriculum, such as integrating national statistical data, achievements of economic and social development into teaching content, so as to stimulate students' patriotic enthusiasm and national pride. When explaining data collection methods, teachers can introduce cases of data abuse.

For example, a certain shopping website platform illegally collects excessive user data, which violates personal privacy; falsify data and induce users to purchase certain products, which has had a serious impact on society. Through the analysis and discussion of this case, students will be deeply aware of the importance of data privacy protection and data integrity for scientific research and social development. Teachers can further guide students to think how to avoid the occurrence of data fraud and how to establish an effective data supervision mechanism, so as to cultivate students' awareness of data protection and scientific spirit.

The second is to cultivate students' critical thinking, guide them to treat statistical data and analysis results dialectically, and improve their ability to identify and innovate. The third is to strengthen education on statistical ethics and professional conduct, integrating relevant requirements throughout the entire teaching process, and helping students establish correct values and professional perspectives.

3.3 Innovating Teaching Methods to Enhance Ideological and Political Effectiveness

In the innovation of teaching methods, we should pay attention to the adoption of diversified teaching methods to enhance the ideologi-

cal and political effectiveness. First of all, case teaching method can be used to select representative and enlightening cases for analysis and discussion, so that students can feel the charm of ideological and political elements in specific situations. Secondly, the discussion teaching method can be used to organize students to discuss and communicate around specific topics, so as to stimulate students' thinking sparks and creativity. Finally, the project-based learning method is used to enable students to use statistical knowledge to formulate statistical survey programs, distribute questionnaires and solve problems on the spot. To solve practical problems and complete statistical analysis reports, so as to enhance students' practical ability and teamwork ability.

For example, project-based learning activities with the theme of "urban air quality monitoring and improvement" can be organized. Students will be divided into several groups, each group is responsible for collecting and analyzing the relevant data of air quality in the city, and using statistical principles for data processing and analysis. During the implementation of the project, students will not only master the basic methods and skills of statistics, but also deeply understand the current situation and causes of urban air quality problems and the importance and urgency of improving air quality. Through the learning and practical activities of this project, students' practical ability, teamwork ability, and sense of social responsibility have been significantly improved.

3.4 Strength of the Construction of Teaching staff

The construction of teaching staff is one of the key links in the construction of bilingual course of principles of statistics from the perspective of "Curriculum Ideology and Politics". Colleges and universities should attach importance to the selection and training of bilingual teachers, and select teachers with solid professional knowledge, good foreign language ability and high ideological and political literacy to take up bilingual teaching tasks. On the one hand, teachers' professional quality and bilingual teaching ability should be improved to make them competent for bilingual teaching. On the other hand, teachers' ideological and political literacy training should be strengthened. In addition, industry experts or scholars can be invited to give lectures at the school to exchange experiences and share insights, in order to broaden teachers' horizons and thinking.

4. Conclusion

With the acceleration of globalization, the development of bilingual teaching conforms to the needs of the times. Exploring the path of bilingual course construction of Statistical Principles from the perspective of "Curriculum Ideology and Politics" is rather essential. The implementation of such measures as clarifying course objectives, integrating teaching contents, innovating teaching methods, and strengthening the construction of teaching staff can effectively promote the deep integration of bilingual course and "Curriculum Ideology and Politics". Finally it can realize the organic combination of knowledge imparting and value guidance.

References

- [1] Gao Xuefen, Hong Taoqing The system and integration methods of ideological and political elements in college mathematics courses: based on the analysis of award-winning works in the "National College Young Teacher Teaching Competition" [J] Journal of Mathematics Education, 2024, 33 (04): 78-82+102.
- [2] Lu Feixia, Nie Siwei Research Review and Prospect of Ideological and Political Education in Economics Courses in Higher Education Institutions (2018-2023) [J] Financial Communication, 2024, (13): 165-171. DOI: 10.16144/j.cnki. issn1002-8072.2024.13.029.
- [3] Wang Nengfa, Liu Zixin Construction and Practice of "Probability Theory and Mathematical Statistics" Course in Finance and Economics Universities under the Background of New Liberal Arts: A Case Study of Guizhou University of Finance and Economics [J] Journal of Zunyi Normal University, 2024, 26 (04): 104-107.
- [4] Wang Ranran, Liu Hanhui, Zhang Wen, etc Research on Action oriented Bilingual Curriculum Ideological and Political Education Reform Method [J] Chinese Journal of Multimedia and Online Teaching (First Edition), 2022, (01): 37-40.

Project Name: 2022 WBU Teaching Reform Research Project - Research on Bilingual Curriculum Construction from the Perspective of Curriculum Ideology and Politics - Taking "Principles of Statistics" as an Example (Project Number: 2022N005)