


Chapter 12

Analysis of Political and Ideological Systems in Education With Lightweight Deep Learning

Angela Diaz-Cadena

University of Guayaquil, Ecuador

Miguel Botto-Tobar

 <https://orcid.org/0000-0001-7494-5224>

Eindhoven University of Technology, The Netherlands

ABSTRACT

As China's population grows, the country places a greater focus on the value of cultural education. A successful instructional approach includes ideological and political content within the context of cultural training. Students would do well to observe the facial expressions used by their lecturers in class to completely appreciate the themes being discussed and the strategies being used. A group of high school seniors from a Shanghai high school will take part in experimental research to determine the model's viability. The objective is to assess the effectiveness of education in the classroom is to conduct a poll with students and instructors to get a sense of their thoughts on the topic. More than half of the student body prefers competitions and lectures to other sorts of intellectual and political involvement in the classroom. This model's expression recognition accuracy is more than 2.9% greater than that of other models, and the model's improvement effect is incredible. The authors also investigated the influence of including experimentation in the quality evaluation process.

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INTRODUCTION

China's overall investment in this business has expanded because of the Chinese government's recent decision to prioritize education (Yu et al., 2016). This is an important phase in a person's growth since they have the most opportunities to learn and improve during their senior year of high school (Furtak et al., 2017). However, throughout the formative years of China's educational system, examination-centered education has been the norm. Cultural knowledge is transmitted in the classroom without regard to the existence of other components of knowledge transfer. If this practice is permitted to continue, pupils will have an advantage in theory but a deficit in real-world experience. Children's sentiments and concerns may be overlooked, which can be harmful to their development and health (Jin & Martin, 2019). This is detrimental to a child's growth and health. This eventually led to the establishment of the "ideological and political course." In terms of students' viewpoints on political and ideological concerns, it exposes them to hot media themes and disseminates cultural information, all with the purpose of getting them more interested in the learning process. When this way of teaching is used, students are more likely to be fully involved in the learning process, which helps them grow in general. The use of computer technology and questionnaires, as well as other methods of data collection, can help determine whether a particular educational style is successful. The notion of analyzing massive volumes of data on the quality of English instruction supplied to university students to arrive at exceedingly plausible conclusions. This was done to identify the top English language schools. When tested, the model achieved an accuracy rate of 90.22 percent in the processing and evaluation of large datasets (Guo & Yu, 2020). As a result, the model is a trustworthy predictor of the educational program's quality. Several other critical technologies might be utilised to include data mining technology in the evaluation system for teaching ideological and political courses. This would be beneficial to both students and instructors. A data mining method and a set of indicators can be employed to analyse the performance of a teacher's lessons (Lv, 2021). This makes evaluating the effectiveness of a teacher's instruction straightforward (Su et al., 2021). An analytic hierarchy technique to assess the efficiency of ideological and political teaching in university-level English classrooms in the age of big data. This strategy was developed in response to the increase in data volumes. The goal of this method is to assess training quality in a range of professional scenarios. The strategy is designed to take advantage of the opportunities given by the big data era. The existing approach for measuring the effectiveness of IPE contains considerable distortions because of shoddy data processing. They created the IPE efficacy evaluation methodology after doing extensive data mining research. Data mining clustering was successfully used to accomplish the cleaning and preprocessing of the actual effect of IPE. It turned out that the model's data processing abilities were much better than those of the earlier model (Zhang & Meng, 2021).

However, just a few studies have been conducted to investigate the efficiency of education that incorporates ideological and political content into cultural courses. Many studies have been conducted to date using technological devices to measure the success of school intellectual and political education(IPE). The expressions on the students' faces in class will reveal whether they are familiar with the topic being taught and the manner of instruction used by their teachers. The use of technology that identifies expressions in educational contexts allows for a more objective assessment of the effects of training. The real-time data collection on children's expressions uses equipment that is already in the classroom. This data can then be used to investigate the impact of conventional cultural teaching as well as ideological and political education within the curriculum. This document begins with a thorough explanation of the various influential theories and makes them available for your review. Furthermore, it describes the

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