Research on the English Teaching Mode under the Background of Computer Big Data

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Abstract. With the popularity of the Internet, the era of big data (hereinafter referred to as BD) has come. At the same time, information technology is gradually improving, which also leads to the application of AI in many fields, including English teaching (hereinafter referred to as ET). With the application of "Internet +", colleges must change the traditional ET mode (hereinafter referred to as TM). By adapting to computer BD technology, colleges can establish a smart English education platform (hereinafter referred to as EEP), which can help students learn better. With the construction of smart EEP, colleges can carry out activities and evaluation from many aspects. Through the innovation of English TM, colleges can innovate teaching ideas, which can create a good English learning context. Through the smart EEP, colleges can enrich the teaching content (hereinafter referred to as TC), which can further improve the teaching evaluation system. Firstly, this paper analyzes the impact of BD on College ET. Then, this paper constructs a smart EEP. Finally, some suggestions are put forward.

Keywords: Computer Big Data, English Major, Teaching Mode, Innovation

1. Introduction

At present, the Internet has become a part of College Students' life, which also produces a lot of data. In the context of BD, colleges must innovate English TM, which will develop a better teaching platform [1]. With the change of the times, English curriculum will include more scope, which needs to accept more information. Therefore, colleges must innovate the traditional TM, which needs to gradually change to the student-centered learning. Based on the background of BD, intelligent ET platform can store a variety of database information, which will better improve the learning needs of students [2-3]. At the same time, the platform can push more needs to students, which will be more suitable for English learning. With the popularity of the Internet, BD will bring more challenges. In the field of education, BD makes teaching resources more abundant, which will make teaching methods more diversified [4].

2. The influence of BD on College ET

BD has become a basic resource, which has a significant impact on College ET, as shown in Figure 1.
2.1. The influence on TM

In the context of BD, innovative TM emerge is in endlessly, such as MOOCS, flipped classroom, and so on, which are popular with students. Traditional teaching (hereinafter referred to as TT) mainly is the materials, blackboard, writing and other. Therefore, the TT form is relatively monotonous. Students are easy to get tired in the process of classroom learning. Therefore, students will lose interest and motivation in English learning [5]. In the context of BD, innovative TMs such as MOOC and flipped classroom can make students free from time and space constraints, which can choose high-quality and rich TC at any time. According to our ability level, we can make a detailed learning plan, which will better control the learning progress [6-7].

2.2. The influence on TC

Most of the traditional ET contents are based on textbooks written, which are usually equipped with teaching CDs. Therefore, teachers usually use this part of the content for secondary processing. Through screening and integration, teachers will make PPT, which will expand the learning content. In this way, colleges can improve students' interest in learning. In the era of BD, teachers can find rich information-based teaching resources by means of Internet, mobile app, online platform and other means, such as English movies, Ted English speeches, open classes of famous schools, English knowledge micro class teaching videos, English subject online games and so on [8]. Therefore, we must realize the innovation of ET, which has higher requirements for the teaching ability. Therefore, teachers should strengthen teaching ability. By making good use of modern technology, we can constantly enrich the TC, which will improve the teaching effect [9].

2.3. The influence on teaching role

Based on BD technology, many colleges have introduced the Internet into classroom. By creating a rich and colorful internet classroom, students can learn English anytime, which will improve the efficiency of ET. Through the reform, the role of College ET has begun to change, which has gradually turned into active learners and explorers [10]. With the rich resources, students can choose English courses according to their own needs. In the process of teaching, colleges need to mainly act as the organizer of
classroom activities, the guide and evaluator of students, which has changed the traditional single image of knowledge imparter. In the era of BD, the reform of College ET in China is imperative [11].

3. Construction of intelligent classroom TM

3.1. Construction of smart ET platform model

This paper obtains the elements of the smart classroom TM, as shown in Figure 2.

![Figure 2. Construction of smart ET platform model.](image)

3.2. Content of smart ET platform

The ultimate goal of smart classroom TM is to promote the generation of students' wisdom, which can be achieved by relying on each specific goal. According to the TC, we can divide it into three dimensions. The realization conditions are external support conditions, including teaching tools, intelligent technology, teaching environment and teaching resources. The subjects of teaching and learning are teachers and students. Therefore, teachers should change their educational ideas in time, which can highlight the dominant position of students. The interaction between teachers and students and the relationship between teachers and students are mainly reflected in the wisdom teaching activities. Smart classroom teaching activities are divided into three sections, namely before class, in class and after class. Teachers can make corresponding adjustments according to the actual situation, which will meet the needs of teaching. Finally, the evaluation of smart teaching, including online evaluation and offline evaluation. Online evaluation runs through three links: before class, during class and after class. The data of evaluation is also the learning data that cannot be collected in traditional classroom. Offline
evaluation is mainly about students' learning, including classroom status, learning outcomes and self-evaluation.

4. Research on English TM from the perspective of BD

4.1. Correct teachers' digital consciousness

Teachers are the main body of teaching in Colleges, which requires professional training of teachers. Colleges in the recruitment of teachers can not blindly pay attention to the professional teaching level of teachers, which also needs to investigate the information teaching level of teachers. Colleges should give enough support to teachers' information learning. Through the regular organization of information training, colleges can ensure that teachers can grasp the latest information teaching results in the first time. Colleges should carry out ideological education for teachers, which can make them correct their understanding of digital teaching. Colleges should train English teachers to have a correct understanding of digital teaching. By strengthening the supervision of information-based teaching, teachers can criticize and correct the unreasonable phenomena in the teaching process in time, which will improve the awareness of data-based teaching.

4.2. Innovative TM

BD has a great influence on ET in Chinese universities. In the era of BD, teachers should have a correct understanding of the importance of information. According to the requirements of digital teaching, we can innovate the TM and teaching concept, which can closely combine information technology with modern teaching concept. In order to avoid data-based teaching, teachers in the actual classroom teaching information for reasonable screening, which can complete the teaching task required by the curriculum standard in the process of teaching. In China's TT, the teacher is the main body of the classroom, the only source of students' knowledge. However, the traditional TM has seriously hindered the development of College ET. Digital teaching breaks the dominant position of teachers, which makes students become the main body of classroom learning. Through the flipping of classroom teaching, colleges improve students' interest in English learning, which makes students gradually realize the main body of classroom learning. Through innovative TM, BD improves teachers' sense of responsibility, which lays a foundation for the smooth development of ET.

4.3. Combining network resources with practical teaching

Classroom teaching is not the only way to teach students. With the continuous popularization of network technology, the era of BD is coming. Teachers can make full use of network resources. Through the effective combination of network resources and practical teaching, students can carry out network teaching. By recording online micro lessons, teachers can also help students review and preview. The era of BD is a great challenge for college industry ET. Therefore, the university industry ET should make rational use of BD. At the same time, BD is not omnipotent, and China's traditional higher education will not be completely replaced by it. Colleges need to constantly innovate English TM.

5. Conclusion

Under the background of BD, great changes have taken place in College ET. Through the smart ET platform, colleges can restore students' dominant position in the classroom, which will stimulate
students' interest in learning. Through this platform, students can find their own learning methods, which has broken the limitation of time and space. Through the reform of English TM, students can learn in English scenes, which will improve the quality of ET.

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