

Phonetic Acquisition and Teaching Strategies of Chinese as a Second Language

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Abstract: This article aims to explore the characteristics, difficulties and effective instructional strategies of Chinese pronunciation acquisition as a second language in order to provide theoretical guidance and practical reference for Chinese pronunciation teaching. Firstly, this article summarizes the uniqueness of Chinese phonetic system and the challenges faced by second language learners, and emphasizes the importance and urgency of the research. Then, by combing the research status of second language pronunciation acquisition theory, Chinese pronunciation characteristics and instructional methods, the innovation and research value of this research are clarified. At the same time, through questionnaires, interviews and other research methods, the data of learners with different mother tongue backgrounds in the process of learning Chinese pronunciation are collected and analyzed in depth. The research results show that the Chinese phonetic system has brought many challenges to second language learners with its unique tone system, rich syllable structure and complex phonetic variation law. However, by adopting targeted instructional strategies, multimedia and technology-assisted teaching, cultural integration and situational teaching, and establishing an effective feedback and assessment mechanism, we can significantly improve learners' pronunciation perception and output ability and promote their Chinese pronunciation acquisition.

1. Introduction

In today's globalization, with the rise of China's economy and the promotion of its international status, the value of Chinese as a communication tool has become increasingly prominent, and a global upsurge in learning Chinese has been set off [1]. From kindergarten to higher education, from business exchange to cultural tourism, Chinese has become an important bridge connecting people from different countries and regions [2]. However, for non-native speakers, Chinese learning, especially the phonetic part, is often a huge challenge [3]. Chinese tone system, complex syllable structure and unique phonetic variation law are all difficulties that learners need to overcome [4]. These challenges not only affect learners' oral expression ability, but also limit their deeper understanding and integration into China culture [5]. Therefore, it is of great practical significance and theoretical value to study the phonetic acquisition process of Chinese as a second language and explore effective instructional strategies for promoting the popularization and improvement of Chinese international education.

This study will adopt a combination of various research methods to ensure the comprehensiveness and depth of the study. The purpose of this study is to deeply explore the phonetic acquisition characteristics of Chinese as a second language, analyze the main difficulties encountered by learners in the process of phonetic learning, such as tone discrimination, aspirated sound mastery, vowel discrimination, etc., and put forward targeted instructional strategies on this basis.

2. Characteristics of Chinese phonetic system

2.1. Overview of Chinese phonetic system

The Chinese phonetic system is famous for its unique tone system, rich syllable structure and complicated phonetic variation law [6]. Tone is an important feature that distinguishes Chinese from many other languages. It can not only distinguish the meaning of words, but also carry rich

emotional information. Chinese is usually divided into four basic tones (level tone, rising tone, rising tone and falling tone) and a light tone, and the change of each tone can lead to completely different meanings [7]. In addition, the syllable structure of Chinese is relatively simple, but there are various combinations of initials and finals, and there is opposition between aspirated and unvented, such as the difference between "P" and "T", which is a big challenge for non-native speakers. The phenomenon of phonetic change in language stream, such as tone sandhi and Er Hua, increases the complexity and learning difficulty of Chinese pronunciation.

2.2. Phonetic acquisition obstacles of second language learners

Second language learners face many obstacles in acquiring Chinese phonetics. First of all, negative transfer of mother tongue is a common phenomenon, and learners often bring their mother tongue pronunciation habits and tone patterns into Chinese learning, which leads to inaccurate or confusing pronunciation [8]. Secondly, the perception and production of Chinese tones are particularly difficult for learners from non-tonal language backgrounds, and it is difficult for them to accurately distinguish and imitate different tones. Furthermore, the pronunciation of some special phonemes in Chinese, such as aspirated sound and tongue rolling sound, is a great challenge for some learners who do not have these phonemes in their mother tongue. Finally, the rules of sound changes in language flow, such as tone changes and syllable merging, also increase the difficulty for learners to master fluent spoken English.

2.3. Difficulties in phonetic learning from a cross-cultural perspective

From a cross-cultural perspective, Chinese phonetic learning also involves a deeper cultural adaptation problem [9]. Different cultural backgrounds and language habits affect learners' perception and understanding of Chinese pronunciation. For example, some cultures may pay more attention to the rhythm and stress of language than to the change of tone, which makes it difficult for them to adapt to the subtle differences of tone when learning Chinese. At the same time, cultural differences may also lead to misunderstandings in communication, such as improper intonation of polite expressions, which may inadvertently convey wrong information. Therefore, in the teaching of Chinese phonetics, it is an important part to integrate cultural elements and enhance learners' cultural sensitivity.

3. Phonetic acquisition theory and model of Chinese as a second language

3.1. Second language phonetic acquisition theory

The theory of second language pronunciation acquisition provides an important theoretical framework for understanding how learners master non-native language pronunciation. The critical period hypothesis holds that childhood is the best time to learn a language. After this critical period, the ability of language learning, especially the ability of phonetic imitation, will decline greatly. The contrastive analysis hypothesis emphasizes the differences between the mother tongue and the target language, and holds that these differences are the main reasons for learning difficulties. Interlanguage theory puts forward a dynamic language development process, which holds that learners will go through a series of interlanguage stages and gradually approach the target language when acquiring a second language. These theories provide theoretical guidance for Chinese phonetics teaching and help teachers to understand learners' learning process and formulate appropriate instructional strategies.

3.2. Chinese phonetic acquisition mode

Based on the above theories, researchers have put forward a variety of Chinese phonetic acquisition models. In the natural acquisition environment, learners gradually master the phonetic features of Chinese through a lot of listening input and imitation exercises. In the classroom teaching environment, teachers usually adopt a phased and skill-based instructional method, first teaching basic initials, finals and tones, and then gradually transitioning to vocabulary, sentences and discourse practice. In addition, there are some innovative teaching modes, as shown in Figure 1.

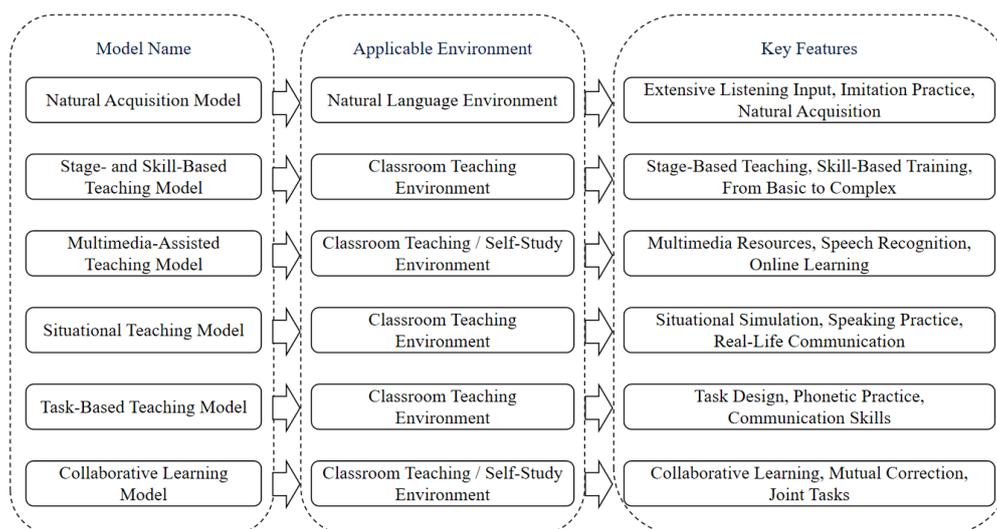


Figure 1 Chinese phonetic acquisition mode

These modes do not exist in isolation, and in actual teaching, multiple modes can be flexibly combined and applied according to the needs of learners and teaching objectives to achieve the best teaching effect.

3.3. Individual differences and phonetic acquisition

Individual difference is an important factor affecting the acquisition of second language pronunciation. Learners' age, learning motivation, language learning experience and cognitive style will have a significant impact on their pronunciation acquisition. For example, young learners may have stronger imitation ability and language plasticity, while adult learners may rely on more cognitive strategies to learn. Learners with strong learning motivation can often devote more time and energy to practice, thus achieving better learning results. In addition, the background of learners' mother tongue will also affect the difficulty of their Chinese pronunciation acquisition. For example, a language background with similar phonemes or tones to Chinese may promote learners' pronunciation acquisition. Therefore, in the teaching of Chinese phonetics, teachers should fully consider the individual differences of learners and adopt individualized instructional strategies to meet the needs of different learners.

4. Effective strategies for teaching Chinese phonetics

4.1. Targeted instructional strategy

In view of the characteristics of Chinese phonetic teaching and the difficulties faced by learners, it is very important to formulate targeted instructional strategies. First of all, according to the learners' mother tongue background, we should identify the specific obstacles in Chinese pronunciation acquisition, such as tone discrimination, aspirated sound mastery, etc., and design corresponding teaching activities and exercises. For example, for learners who have difficulty in distinguishing tones, methods such as tone contrast practice and tone song singing can be used to help them enhance their tone perception and production ability. Secondly, the teaching should be carried out in stages and skills, starting with the basic initials, finals and tones, and gradually transitioning to the practice of vocabulary, sentences and texts to ensure that learners can master every phonetic element firmly. In addition, hierarchical instructional methods can be adopted to provide different levels and types of teaching content according to learners' level and needs to meet their individualized learning needs.

4.2. Multimedia and technology-assisted teaching

With the continuous development of information technology, multimedia and technology-assisted teaching are playing an increasingly important role in Chinese pronunciation

teaching. Teachers can provide learners with rich and varied learning resources and interactive exercises by using modern technical means such as voice recognition software, online learning platform and virtual reality technology, as shown in Figure 2.

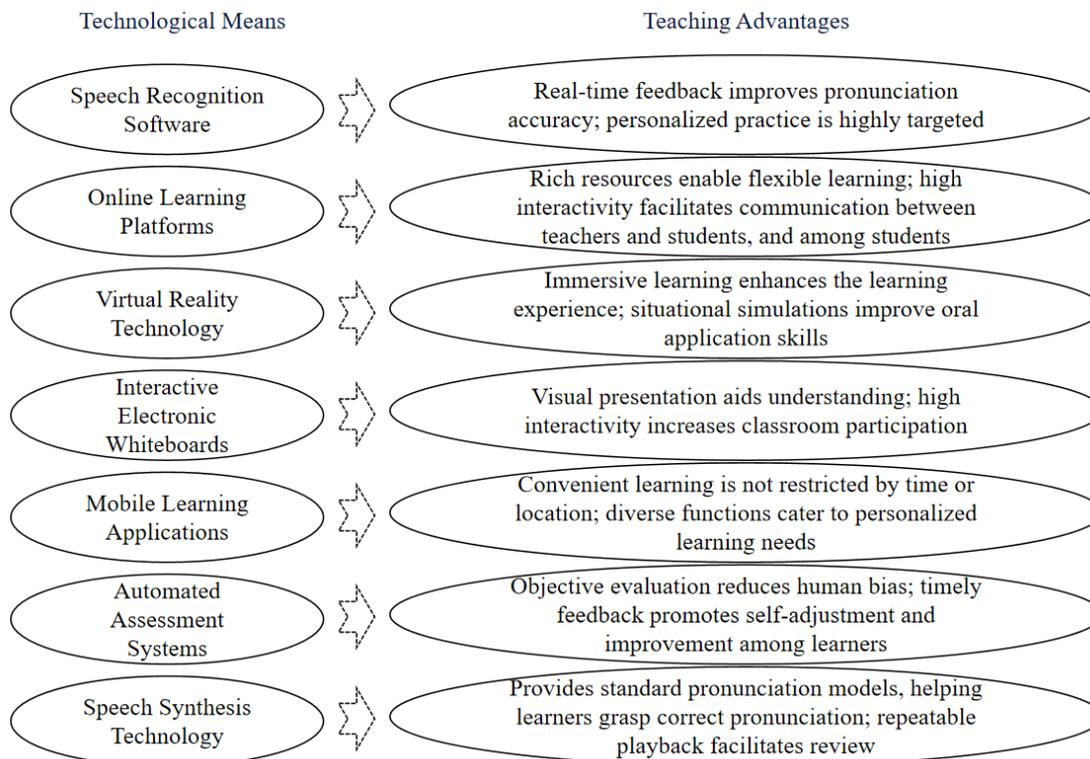


Figure 2 Multimedia and technology assisted Chinese phonetic teaching

These technical means not only improve the teaching efficiency, but also enhance the learning interest and enthusiasm of learners.

4.3. Cultural integration and situational teaching

In Chinese phonetic teaching, it is of great significance to integrate China cultural elements and adopt situational instructional methods to improve learners' phonetic perception and application ability. Teachers can introduce China's cultural customs, traditional festivals, places of interest, etc. to guide learners to understand the cultural background and language environment of China, so as to enhance their perception and understanding of Chinese pronunciation. At the same time, teachers can also design various situational teaching activities, such as role-playing, situational dialogue, simulated communication, etc., so that learners can practice their oral English in simulated real situations and improve their oral expression and communication skills. This instructional method not only helps learners to master Chinese phonetics, but also enables them to better understand and adapt to the cultural environment in China.

4.4. Feedback and assessment mechanism

It is very important to establish an effective feedback and assessment mechanism to ensure the quality and effect of Chinese pronunciation teaching. Teachers should give timely feedback to learners, point out their problems in pronunciation, intonation and speaking speed, and provide specific suggestions for improvement. At the same time, regular assessment should be conducted to understand learners' learning progress and mastery, so as to adjust instructional strategies and teaching contents in time. Assessment can take many forms, such as oral test, written test, peer assessment, etc., to ensure the comprehensiveness and objectivity of assessment. Through the feedback and assessment mechanism, teachers can know the learners' learning situation and problems in time and provide them with individualized guidance and help, thus improving the teaching effect and learners' learning efficiency.

5. Conclusions

This study deeply discusses the characteristics, difficulties and effective instructional strategies of Chinese pronunciation acquisition as a second language. In this article, the research status of second language pronunciation acquisition theory, Chinese pronunciation characteristics and instructional methods is sorted out, and the innovation and research value of this study are clarified. The research results show that the Chinese phonetic system has brought many challenges to second language learners with its unique tone system, rich syllable structure and complex phonetic variation law. However, by adopting targeted instructional strategies, multimedia and technology-assisted teaching, cultural integration and situational teaching, and establishing an effective feedback and assessment mechanism, we can significantly improve learners' pronunciation perception and output ability and promote their Chinese pronunciation acquisition.

This study is of great significance to the teaching practice of Chinese phonetics. First of all, teachers should fully understand learners' mother tongue background and individual differences and formulate targeted instructional strategies to meet the needs of different learners. Secondly, teachers should actively adopt multimedia and technology-assisted teaching to provide learners with rich and varied learning resources and interactive exercises to improve their learning interest and enthusiasm. At the same time, teachers should also pay attention to cultural integration and situational teaching, guide learners to understand the cultural background and language environment of China, and enhance their perception and understanding of Chinese pronunciation. Finally, teachers should establish an effective feedback and assessment mechanism to keep abreast of learners' learning situation and problems and provide them with individualized guidance and help.

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