The title of Project : The Intelligent Adaptive Learning System (IALS)

Challenge & Solution

There are two major challenges in the future we are facing to. One is the difficulty of social cognition. Parents and students, including governments and schools, recognize AI education and use AI education with confidence; the second is how to make the system more intelligent, including the superficial human-machine dialogue technology and capabilities, as well as the deeper technical difficulty to build a super AI teacher. For this first challenge, we have launched the "Human vs Machine competition" four times in succession, which have been spread from Zhengzhou to 100 cities of different levels. Through a competition between "robot teaching team" and "human teaching team", it has effectively accelerated the fulfillment of Squirrel AI system and obtained the recognition and praise of the society. For this second challenge, we have established a AI Lab with SRI International as the primary research partner, Joint Labs with Chinese Academy of Sciences and Carnegie Mellon University and increased investment in AI education.

Learning Impact Outcome

Squirrel AI Learning is developing an adaptive learning system using AI technology for nearly 2 million K12 students. This knowledge map describes the pre-requisite network connections among the knowledge components. This technology allows us to pinpoint gaps in students' knowledge and tailor the learning path to each student's needs. We developed Source Tracing Model to find out the root cause of students' weakness in current knowledge by tracing the pre-requisite knowledge components of current learning content. It determines the recommendation priority of each knowledge point. It can achieve the effect of laying a solid foundation to effectively promote the learning of current and future knowledge points. Through the use of adaptive system for scholar studying on May 2019，the students in mountain areas Qingtai County, a poverty-stricken county in China，the achievement degree of those rural students not solely exceeded that of the students within the county, but some students' degree far exceeded the common degree of students in Wuhan. We adopt the mode of artificial intelligence to successfully resolve the issues of excessive class value, scarce excessive-quality schooling sources and low studying effectivity of conventional schooling, in order to advertise schooling equality.

Return on investment

The ROI an investor can expect is compound annual growth rate 60-70%.