From Machine Learning to Child Learning

Charles Ling

Department of Computer Science, University of Western Ontario, Canada
http://www.csd.uwo.ca/faculty/cling

Abstract. Machine Learning endeavors to make computers learn and improve themselves over time. It is originated from analyzing human learning, and is now maturing as computers can learn more effectively than human for many specific tasks, such as adaptive expert systems and data mining. The effective and fruitful research in machine learning can now be used to improve our thinking and learning, especially for our children. In this talk, I will discuss my efforts in using machine learning (and AI) for child education in Canada and China. In early 2009, I hosted a TV series 《天才孩子家家有》 in a major talk show 《湖湘讲堂》 in China. The impact of such work in China and around the world can be huge.