

Application of Data Science in Healthcare: An Intensivist's View

Chao-Han Lai MD, PhD

National Cheng Kung University Hospital

Abstract

Information overload is a severe issue in intensive care units (ICU). We have developed a smart medicine device, a visualization dashboard platform called *i*-Dashboard, to 1) facilitate the collection and demonstration of high-value data at a glance and 2) recognize patient risk using automatic calculation of different scoring systems. The *i*-Dashboard may increase the efficiency of data gathering, helping ICU team members reserve more energy to take care of patients rather than information overload. We will also review recent advances in the application of data science in critical care in this lecture.