Data Mining in Healthcare: A Literature Survey of Current Applications and Issues
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Abstract

The successful application of data mining in highly visible fields like e-business, marketing and retail have led to the popularity of its use in knowledge discovery in databases (KDD) in other industries and sectors. Medicine and public health are among these sectors that have begun to use data mining. This paper presents a survey of literature on current techniques of KDD, using data mining tools for healthcare and public health. It discusses critical issues and challenges associated with data mining and healthcare in general. It also cites examples of data mining as applied to the analysis of health care centers for better health policy-making, early detection of disease outbreaks and preventable hospital deaths, and uncovering of fraudulent insurance claims. These findings illustrate how KDD may be applied to the Philippine health care system.