Minimizing Adverse Drug Reaction in ER patients in an Interconnected World

Team 1U

CIT348 – Data Mining

PACE University

Abstract

One of the major responsibilities of any healthcare professional in a hospital with patient care responsibilities is taking an accurate and total history of a patient's medication list of the current or past year, a critical component of safe care. A program that assesses this issue by automatically grabbing this information from major and even local pharmacies in the country can improve physician-patient communication.

The purpose of this paper is to explain what technological solutions can be offered to assess this issue through methods of data mining. Towards the end of this paper there is information mentioned about this problem and its repercussions. References of articles and books are sourced towards the end of this paper.