Applying Data Mining Technique for the Optimal Usage of Neonatal Incubator

Abstract

This research aims to provide intelligent tool to predict incubator Length of Stay (LOS) of infants which shall increase the utilization and management of infant incubators. The data sets of Egyptian Neonatal Network (EGNN) were employed and Oracle Data Miner (ODM) tool was used for the analysis and prediction of data. The obtained results indicated that data mining technique is an appropriate and sufficiently sensitive method to predict required LOS of premature and ill infant.

References


Applying Data Mining Technique for the Optimal Usage of Neonatal Incubator

- R. Haberstroh, Oracle® Data Mining Tutorial for Oracle Data Mining 11g Release 1, Oracle, 2008.

Index Terms

Computer Science
Artificial Intelligence
Keywords

Length of Stay, Data Mining, Regression, Incubator, Premature