

Analytics For Hospitals' Health-Care Data

Ideation

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TOP THREEE PRIORITIZED IDEAS:

1. The Length Of Stay(LOS) of the patients can be predicted using different machine learning (ML) techniques. The dashboard can be created using IBM Cognos Analytics to display the different ranges of the Length of Stay with respect to their type of disease and with respect to the severity of corresponding disease.
2. The Length of Stay(LOS) of the patients depends on the major factors such as type of disease, age and severity . The data is pre processed first according to the most important details from the dataset.The dataset is explored and visualized and then using the techniques of ensemble algorithms consisting of many decision trees prediction model is developed.
3. The Length Of Stay(LOS) of the patients mainly focus on a more logistical metric of healthcare.Predictive analytics is an increasingly important tool in the healthcare field since modern machine learning (ML) methods can use large amounts of available data to predict individuals who are availing medical facilities .Then it is associated with the dashboard made from the IBM Cognos Analytics.