Analytics for Hospital Healthcare Data

Proposed Solution

1. Problem Statement

Analytics for Hospital's Health - care Data

2. Idea/Solution Description

Accurately predict the Length of Stay for each patient on case-by-case basis so that the Hospitals can use this information for optimal resource allocation and better functioning.

3. Novelty/Uniqueness

This parameter helps hospitals to identify patients of high LOS-risk (patients who will stay longer) at the time of admission.

4. Social Impact/Customer Satisfaction

Recent Covid-19 Pandemic has raised alarms over one of the most overlooked areas to focus: Healthcare Management. While healthcare management has various use cases for using data science, patient length of stay is one critical parameter to observe and predict if one wants to improve the efficiency of the healthcare management in a hospital.

5. Business Model (Financial Benefit)

Suppose you have been hired as Data Scientist of Health Man – a not for profit organization dedicated to manage the functioning of Hospitals in a professional and optimal manner.

6. Scalability of the solution

This will generate huge volumes of data, whose systematic storage and analysis for organized decision-making will be critical to the success of the industry in the coming years.