Project Development Phase

Delivery of Sprint-1

Date 29 October 2022

 Team ID PNT2022TMID38818

Project Name Analytics for Hospitals' Health-Care Data

Sprint-1:

➢ Data Collection

➢ Data Preparation

Sprint-2:

➢ Data Exploration

Sprint-3:

➢ Dashboard Creation

Sprint-4:

➢ Report Creation

➢ Story Creation

Sprint-1:   Data Collection

Download the Dataset link:

https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhrT?usp=sharing

Load the Dataset:

Tool used: IBM Cognos Analytics

Data Preparation

Prepare the Dataset

Null Values Cleaning Process :

ANALYTICSFORHOSPITALS'HEALTHCAREDATA

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BACHELOROFENGINEERINGINCOMPUTER SCIENCEANDENGINEERING

PROBLEM STATEMENTS

1.Hospitalsareoftenpackedwithpatients24/7leavingitdifficultto trackeachandeverypatientsotheyneedawaytovisualizetheLOSof eachpatientsothattheywillbeabletocheckforavailabilityofrooms, accommodatepatientsmindfullyanddynamically.

2.Doctorsinteractwithmultiplepatientsonaeverydaybasissoitshard tokeeptrackoftheparametersofeachpatientanditstime-consumingso theyneedawaytovisualizethe severityofillnessofeachpatientsothat theycanmakequickandbetterdecisionsonthetreatmentthatisneeded tobegiven.

3.Multispecialityhospitalhavealotofdepartmentssotheyneed visualizeddataonpatientsavailableondifferentdepartmentssothatthey canmanageandprioritizestaffandresourcestothespecificdepartments asperrequirement.

4.Hospitalshavelimitedpreventivehealthcareandservicestopromote optimalhealthandwellness,andavertworseningofsequelaeforchildren andadultswithdisabilities. Acrossthehealthcarecontinuum,integrated approachesareneededtosimultaneouslyaddressthemanyriskfactors andconditions,aswellasthemedical,functionalandsocietallimitations includingdeterminantsthatinfluencesthehealthandwellbeingof personswithdisabilities.

5.DoctorsneedHealthCareanalyticstoclassifythePatientsusingtheir pathologydatafortheirCARE(Self-management,Doctor-Advise, FurtherDiagnosticandChronicMedication)managementimprovement thatfacilitatestobuildamulti-classificationmodeltobuildCARE ManagementModel(CMM)withrightclassificationofpatient