**PROJECT**

**Estimation And Prediction Of Hospitalization And Medical Care Costs**

**Project Description**:

Medical costs are one of the most common recurring expenses in a person's life. Based on different research studies, BMI,ageing, smoking, and other factors are all related to greater personal medical care costs.The estimates of the expenditures of health care related to obesity are needed to help create cost-effective obesity prevention strategies.Obesity prevention at .

### Data Collection & Extraction From Database

Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test hypotheses, evaluate outcomes and generate insights from the data.

### Collect The Dataset

### Connect IBM DB2 With IBM Cognos

**Data Preparation**

Data preparation is the process of cleaning, transforming, and organizing raw data in order to make it usable for analysis or machine learning. This process involves a series of steps that ensure the data is accurate, complete, consistent, and in the right format for analysis.

### Data Visualization

Data visualization is the process of creating graphical representations of data to help people understand and explore the information. The goal of data visualization is to make complex data sets more accessible, intuitive, and easier to interpret. By using visual elements such as charts, graphs, and maps, data visualizations can help people quickly identify patterns, trends, and outliers in the data.

**Dashboard**

A dashboard is a graphical user interface (GUI) that displays information and data in an organized, easy-to-read format. Dashboards are often used to provide real-time monitoring and analysis of data and are typically designed for a specific purpose or use case. Dashboards can be used in a variety of settings, such as business, finance, manufacturing, healthcare, and many other industries. They can be used to track key performance indicators (KPIs), monitor performance metrics, and display data in the form of charts, graphs, and tables.

### Story

A data story is a way of presenting data and analysis in a narrative format, intending to make the information more engaging and easier to understand. A data story typically includes a clear introduction that sets the stage and explains the context for the data, a body that presents the data and analysis logically and systematically, and a conclusion that summarizes the key findings and highlights their implications. Data stories can be told using a variety of mediums, such as reports, presentations, interactive visualizations, and videos.

### Report

A report is a document that presents information in a specific format and layout, usually based on data from a database or other data source. A report in IBM Cognos can contain various elements, such as tables, charts, graphs, and images, as well as text and data elements, and it is designed to be used by business users to help them better understand their data and make informed decisions. There are several different types of reports available in IBM Cognos, including list reports, crosstab reports, chart reports, and report studio reports, among others. The type of report that you choose will depend on the specific needs and requirements of your organization, as well as the data that yo

**Web Integration**

Publishing helps us to track and monitor key performance metrics, and to communicate results and progress. help a publisher stay informed, make better decisions, and communicate their performance to others.

**Performance Testing**

Performance testing is a type of software testing that is conducted to evaluate the performance, responsiveness, scalability, stability, and speed of a software application under a particular workload. The main goal of performance testing is to ensure that the software application can handle the expected workload, and perform optimally under various conditions.