Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Team ID: PNT2022TMID23446

Team Leader   : Hari Balaji.V
Team Member : Mahendhiravarman.S
Team Member : Tharun Kumar.J
Team Member : Karthik Kesavan.K

IBM Cognos Analytics:

IBM Cognos Business Intelligence is a web-based integrated <u>business intelligence</u> suite by <u>IBM</u>. It provides a toolset for <u>reporting</u>, <u>analytics</u>, <u>scorecarding</u>, and monitoring of events and metrics. The software consists of several components designed to meet the different information requirements in a company. IBM Cognos has components such as IBM Cognos Framework Manager, IBM Cognos Cube Designer, IBM Cognos Transformer.

Cognos Connection

Cognos Connection is the Web portal for IBM Cognos BI. It is the starting point for access to all functions provided with the suite. Using this portal, content can be searched in the form of reports, scorecards, and agents, it can be managed, structured, and displayed. In addition, the portal is used for multiple functions, for example to schedule and distribute reports, for creating tasks, administering the server, and the access permissions to content available to different users. You can also create shortcuts, URLs, and pages.

Query Studio

Query Studio allows simple queries and self-service reports to answer basic business questions. The report layout can be customized and data can be filtered and sorted. Formatting and creation of diagrams is also supported.[1]

Report Studio

The Report Studio is used to create management reports. It offers two different modes: The professional authoring mode enables users to access the full range of Report Studio functionality. In this mode, users can create any type of report, including charts, maps, lists, and repeat functions. In professional authoring mode all types of Data (relational or multidimensional) can be used, but dynamic data can not be displayed.[1]

The express authoring mode has a more simple user interface, designed for non-technical users. It enables them to create traditional financial or management reports in a more focused user interface. In contrast to the professional authoring mode, the express authoring mode allows the use of dynamic data.

Analysis Studio

Users can create analyses of large data sources and search for background information about an event or action. Multidimensional analysis allows identifying trends and understanding of anomalies or deviations, which are not obvious in other types of reports. Drag-and-drop features, elements and key performance indicators can be included in the analysis, rows and columns can be switched, OLAP-functionalities[2][3] like drill-up and drill-down can be used to get a deeper understanding about the sources of the information used in the analysis.

Event Studio

The Event Studio is a notification tool that informs about events within the enterprise in real time. Therefore, agents can be created to detect the occurrence of business events or exceptional circumstances, based on the change of specified event- or data conditions. A notification may be served by sending an e-mail, its publication in the portal, or by triggering reports. This can be used to handle failure with notification. It is very robust in nature.

Workspace

IBM Cognos Workspace (formerly introduced in version 10.1 as IBM Cognos Business Insight and renamed in version 10.2.0) is a web-based interface that allows business users to use existing IBM Cognos content (report objects) to build interactive workspaces for insight and collaboration.