Healthcare

Aiding and re-discovering the science of healthcare service

Ideal-Analytics is a suite of software tools to glean information and therefore knowledge, from raw data.

Self-service, real-time, on-demand ad-hoc analysis and high performance exploration functionality
with plug-ability, scalability & security, available in both SaaS and on-premise model

Health-care is the one of the fastest developing service industry that serves the client based on the information collected from them. Information about people, about patients, about diseases, treatments, medicines, methods, pathological tests, diagnosis results and process, materials, nutrition charts, demographic study reports, regulatory standards,   prices and availability of products and competitive information.

Health care services have to be on the tip-toe to figure out what is coming up more than what has occurred. Historical information provides a good handle in figuring the trends and predictions for the near future. This industry has to give equal importance to historical data, present data and prospective or predictive data. Data volume is huge and highly variegated as well.

Data comes and originates from various sources and have therefore highly different formats and associations. Culling of those data, comparing them and pooling them is always a challenging job that never had been standardized and never could be either.

Handling health-care data is challenging and yet very changing. Examining such data for explanation, presentation and prediction cannot wait with time-lags. Presentation much later than generation loses the significance and therefore meaning of the collected data.

USUALITY is outmoded and outdated:

Nice presentation is important and yet much more than that is the currency. An attractive presentation might need complex handling and calculative presentation requiring processing that would have to wait a while. This approach loses the attraction the moment any base data is changed. Analysis of historic data is one thing and that of present data on the point-in-generation is a league apart need.

Data Analytics – the need of the hour!

A whole new approach of Business intelligence study is not any more the OLAP based Business Analytics but Data analytics where the knowledge artefacts are discovered from within the changing data with very fast mathematical processing and yet very simple and elegant manipulations, whose reusability does not bind the data with the methods and yet may save the queries for re-use or modify the queries on-line, real-time, on-demand and self-serving by any user who would not bother about learning a whole new skill but focus on fathoming the inner meanings of the data from their business point of view.

IDEAL-ANALYTICS – the product-solution approach!

The unique proposition of the product-solution IA is its simultaneity in processing most advanced mathematical manipulations very fast and most rapidly than competition and in insulating the end-user from having to know the technology. Technology here is an aiding tool, that does its job without ever bothering the user or waiting upon his skills to come up to a level. The user is free to concentrate on the business logic and finding out options of running through alternatives.

Handling of data of seemingly unrelated datasets and establishing relations on-the-fly, dismantling the relationship the next moment and re-establishing other relation with other datasets and their ease in such navigations and changes, is where IDEAL-ANALYTICS the product-solution fares ahead of most other players in the competitive space.

Special knowledge problematic that may be addressed.

Just as an example let us site some problematic that we gathered from our clients:

- What is the performance of one doctor in a department in the overall productivity of the facility?
- What is the performance of one speciality in a multi-speciality facility on a comparative scale?
- What is the proportional of one resource in the performance in a package of health-care?
- Which materials or medicines are more often in demand and are more critically affecting in stocks?
- Which portion or sub-division is critically making a cost overrun in a package delivered?
- Which region is throwing out which particular disease more often?
- Which kind of service is more sought after by the patients or the client group targeted?
- Which group is rightly targeted or mal-targeted by the marketing department?
- Which kind of service is attracting more negative or more positive feedback?
- Which vendor is performing appropriately and which resource is rotting more often or are quality compromised?
- And on and on and on....

There is no end to questions that come up in the mind of analysts and any effort of putting all kinds of such questions in a meta-directory to be picked and chosen later on actually defeats the purpose of fast processing and ready reckoning. The point to move towards pre-processed presentation rendering is fruitless therefore.

Security, authenticity and ad-hoc questioning

Fast query building, ad-hoc processing yet very stringent security needs to be in place, the right information to the right people with the right privilege - all these with the point-in-time updated data was the principal design consideration for IDEAL-ANALYTICS as a product-solution.

Presentation with the most advanced technology through animation.

Presentation is the key point these days and rendition is very important. IDEAL-ANALYTICS competes with any business intelligence tools in terms of presentation, ease and speed of presentation and re-presentation while keeping the currency on tip-toe and that is the uniqueness of IDEAL-ANALYTICS.

idealanalytics
Analytics On-Demand

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