Knowledge Discovery with Visual Informatics

ImageTrend Visual Informatics is an advanced visual analysis and reporting system that facilitates the exploration of databases, transforming data to information to new insights.

Visual Informatics allows administrators to expand the reporting of data via cubed data analysis techniques. Selectable criteria for QA/QI reporting gives administrators the flexibility to create custom reports based on established best practices. This creates a dimension of reporting not possible with conventional report methods. With these data tools, specific data can be analyzed in different views and multiple relationships.

Creating dynamic charts and graphs is made easy by utilizing simple drag and drop techniques, rearranging data views and data drill-down. This gives the user flexibility in how to view the data with precise control and display. The analysis of the data in these cubes can be used for predicting trends and assessments. Data can be readily exported for portability and reporting in applications such as Microsoft Excel.

Cube Data Analysis
Find patterns and relationships in data by using sophisticated techniques to build models – abstract representations of reality. Large amounts of data stored in a series of dimensions, or cubes allows the user to select only relevant dimensions, thus expediting analysis significantly.

Geo Representations
Pinpoint actual geographical locations of data. Cluster mapping or intensity shading indicate the volume of data, leading to conclusions of need, demand or supply.

Multi-Dimensional
Extract only necessary data to focus on detailed areas of interest. Drag and drop techniques allow for the addition of new dimensions to the analysis on the fly. Select the visualization of choice – pie charts, bar charts or other diagrams, which can then be generated from the specified data, saved or distributed.

Tree Diagrams
Build dynamic hierarchical relationships or trees by right-clicking on a pie section and adding another valuable dimension. Identify hidden patterns in datasets via this form of multi-dimensional report visualization. This provides a launching point for new questions and new discoveries within the database.
About ImageTrend

ImageTrend is an award-winning software development company providing streamlined solutions to a variety of industries, including: government, medical, human resources, business, education and non-profit. We strive to create a better world through technical innovation, a vision of what is possible and our commitment to designing the best web applications and strategies. The company advances this paradigm through our unique philosophy that combines a detailed understanding of our clients’ business practices and legendary customer support. Through continuing education, ideation and plans for maximizing growth, we are exploring all available opportunities and, in turn, passing this knowledge and technology to you.