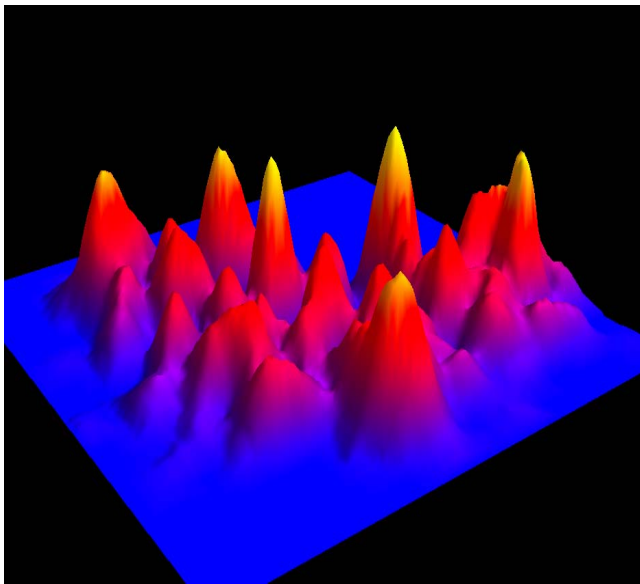


OmniViz[®] for Document Analysis

The majority of the critical information for decisions on research, product, and business directions is contained within a wide variety of text documents – including scientific literature, patents, and business intelligence information. The sheer number of relevant documents from a search result can be overwhelming. This frequently leads the researcher to limit the study of the documents to the ones you hope are on target. This is sure to overlook important information – resulting in missed opportunities as well as increased risk for the decisions that are made.



OmniViz's text clustering and visualization capabilities free the user to do the search they want, and understand the full content. Over a decade of research and development in this field has led to OmniViz's ability to bring documents of different formats and from different locations together into an integrated presentation enabling rapid decisions based on ALL the data (tens to millions of documents). This document analysis can be easily linked to analyses of other types of information, such as experimental results.

Benefits

OmniViz:

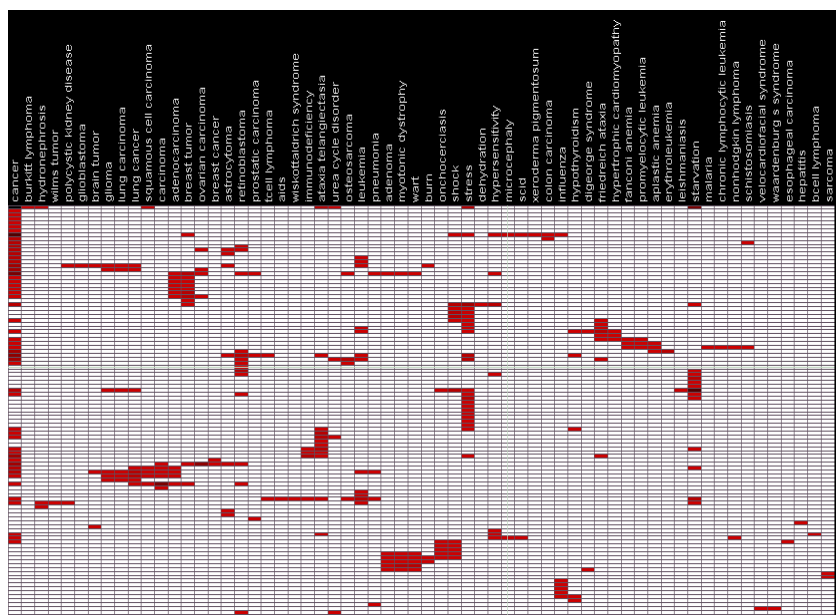
- Enables an immediate overview of a previously unknown subject area
- Rapidly identifies key topic areas, completing in minutes a task that traditionally took hours or days
- Eliminates the need to narrowly focus literature queries
- Incorporates user customizable lists of terms to ignore or focus on during the analysis, speeding processing and rapidly providing relevant answers
- Provides a tool for business and competitive intelligence

Functionality Highlights

Import: Advanced capabilities enable OmniViz to read, import, and understand a wide variety of formats. Users can build their own, or use pre-built formats from our library. Extensive merge capabilities allow data in different formats from different sources to be retrieved and brought together in one coherent collection for analysis.

Data Types: Numeric, categorical, chemical structure, and DNA or protein sequence information can be imported together with the text and used to cluster and visualize. This allows for the merging of documents with other ancillary information, providing a more complete view of the world and more effective decisions.

CoMet Visualization: The CoMet™ visualization allows the user to ask questions such as “Did any company focus on one area?”, “What companies have collaborated?”, “What genes were associated with what disease?”, “What genes occur together, and are likely in the same pathway as each other?”, or “Which compounds have been observed to have what side effects? The global assessment of all relationships within the entire document collection provides an easy graphical way to rapidly focus on the points of interest.



ThemeMap: As seen on the first page, the ThemeMap™ allows you to quickly understand WHAT are the most important and most frequently talked about topics within a group of documents. This guides you directly to the subjects that are driving an area of interest.

Temporal Analysis: OmniViz tools provide a means for exploring the temporal nature of the document collection. Using tools such as dynamic query devices, you can understand WHEN things occurred. This enables discovery of trends and emerging concepts.

User Control: OmniViz’s text clustering algorithms and techniques have been under active use, research, and development for over a decade. But no method can ignore the expert knowledge provided by the user. In OmniViz, the user has complete control of the vocabulary. For clustering of documents, the user can specify concepts that are more or less important to the task at hand and can define synonyms. Advanced users can also control the algorithms used. For other analytical approaches, extensive terms lists, such as disease names, provided by OmniViz can be edited or new lists easily added by the user.

Export: OmniViz will automatically send selected data, and ancillary information, directly to any program, such as bibliography management software, Microsoft Excel® or Word®. Additionally, information can be saved in tab-delimited format for easy import into other tools. Topic lists, related term lists, and other information about the records are also available for export as text files.

Sharing: Sharing of analyzed data between users with OmniViz “.xpt” files. The completed analysis, along with notations and discoveries, can be passed from one user to another in a single file.

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