

TEXT MINING SYSTEM AND TOOL

ABSTRACT

[0088] A text mining system for extracting relevant text from a plurality of input data sets is provided. The text mining system includes an input interface module configured to enable one or more users to select a plurality of sources for a plurality of input data sets. The text mining system also includes a text analysis module configured to receive the plurality of input data sets and to generate an output data set by analyzing the plurality of input data sets. The text analysis module includes a data handling module configured to convert the plurality of input data sets to an analytics text set. The text analysis module also includes an exploratory analysis module configured to determine a plurality of correlations within the analytics text set. The text analysis module further includes a topic modeling module configured to identify a plurality of topics repeatedly occurring in the analytics text set and a reporting module configured to generate a plurality of reports for the text analysis module. The text mining system further includes memory circuitry configured to store the plurality of input data sets, the analytics text set and the output data set.