



### **One-Stop Learning: A text-mining-knowledge utilization process**

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This report illustrates an alternative approach to document search, retrieval and self-learning. Pairs of informative terms (i.e., ideas) from the authors' sentences are employed in search statements. The sentences containing the identified thought are extracted and stored. The terms linked to the designated pair are classified and added to the evolving idea map. By sequentially expanding the network of terms and relationships making up the topic, the authors of the retrieved documents actually guide the learning process. The user builds an idea map using these data, thus developing an authors' view of the topic. This result gives the 'student' the benefit of having a subject specialist-derived guide to the topic.

**Keywords:** Search, information retrieval, self-learning, ideas, objective qualitative analysis, text mining, knowledge utilization