

## **Data Mining: New Insights from Distributed Data**

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Data mining is, by loose consensus, the extraction of useful new information from data that was designed to be collected for some other purpose. In the fields of Test and Evaluation (T&E) and of Forces Modeling and Simulation (FMS), incredible amounts of information are collected for very focused purposes. Within this data there lie many important insights, unperceived, but not imperceptible, the value of which remains to be apprehended. The author's experience in teaching an introductory course on Data Mining at the Viterbi School of Engineering at the University of Southern California has resulted in a new vision for the applicability and utility of Data Mining to T&E and FMS environments.

A quick overview of the theory, implementation and use of data mining will be given. Specific applications in T&E and FMS will be adduced to give practical examples. Future uses, probable products and visions of cohesive approaches will be discussed.