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 The example code is in C++ and CUDA C but Python or other code can be substituted; the algorithm is important, not the code that's used to write it. You will: Combine principal component analysis with forward and backward stepwise selection to identify a compact subset of a large collection of variables that captures the maximum possible variation within the entire set.

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 Before data mining algorithms can be used, a target data set must be assembled. As data mining can only uncover patterns actually present in the data, the target data set must be large enough to contain these patterns while remaining concise enough to be mined within an acceptable time limit. A common source for data is a data mart or data ...

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 The k-meansalgorithm is a simple iterative clustering algorithm that partitions a given dataset into a user-specified number of clusters,k. The algorithm is simple to implement and run, relatively fast, easy to adapt, and common in practice. It is historically one of the most important algorithms in data mining.

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