



## High-Speed Statistical Processing In A Database

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### The Invention

Numerically intensive statistical processing of data is implemented as an incremental gradient method within the engine of a database system. Small user-defined functions in the database system calculate an approximate gradient from one term of a linearly separable defined cost resolvable from a single tuple of the database. In this way the optimized data access of the database may be exploited for rapid statistical processing.

#### Tech Fields

- [Information Technology : Computing methods, software & machine learning](#)

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