

Big Data Optimization for Smart grid

Research Themes

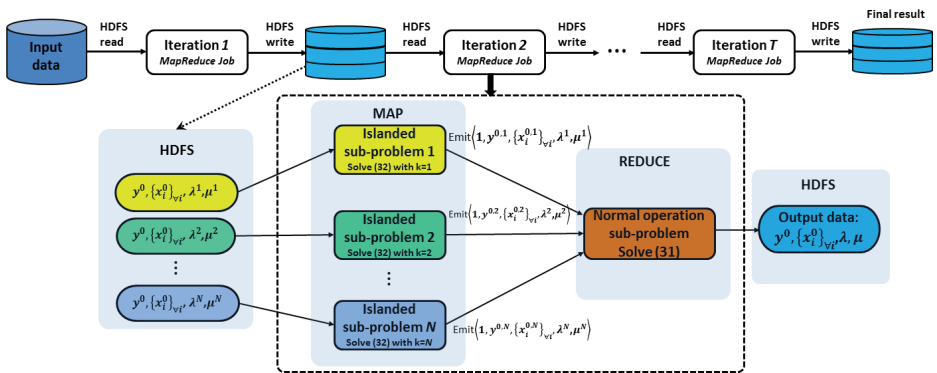
- Load profiling analysis of large-scale smart meter data
- Smart pricing for different types of customers

Recent Accomplishments

- K-means clustering on different features to extract typical user behaviors from various perspectives
- Find correlations between labels obtained from different perspectives
- Quick and efficient on-line classification based on sublinear methods, given typical user behaviors

Issues

- Analyze selection between typical user types and pricing schemes
- Implement big-data scale algorithm using Hadoop MapReduce framework



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