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An Efficient Dynamic Superset Bit-Vector Approach for Mining Frequent Closed Itemsets and their Lattice Structure

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Highlights

- Efficient approach to mine frequent closed itemsets and their lattice structure.
- We propose a new memory efficient dynamic superset bit-vector (DSBV) structure.
- New candidate pruning techniques are developed.
- DSBV establishes hierarchical subset-superset relationship of itemset lattice.
- Extensive experiments to show scalability and supremacy of our proposed approach.

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