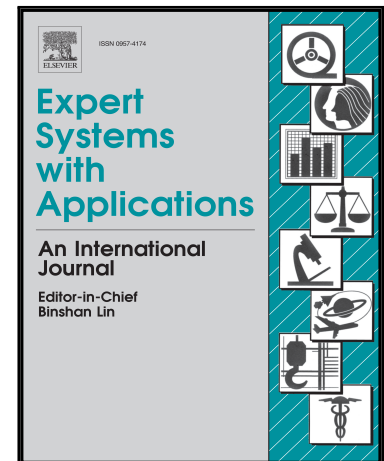


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Refinement and Selection Heuristics in Subgroup Discovery and Classification Rule Learning

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**Highlights**

- New double beam algorithms for subgroup discovery (SD) and classification rules (RL).
- Algorithms can use different heuristics for rule refinement and rule selection.
- Variants of new SD algorithm give more interesting rules than state-of-the-art.
- RL algorithm gives rules with comparable accuracy with state-of-the-art algorithms.
- Inverted heuristics in rule refinement produce rules with better coverage.

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