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Induction of Classification Rules by Gini-Index Based Rule Generation

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Highlights

- We propose a new algorithm (GIBRG) for learning of classification rules.
- We analyse the difference between decision tree learning and rule learning.
- We compare the GIBRG algorithm with popular approaches, i.e. C4.5, CART and Prism.
- GIBRG leads to an improvement in accuracy compared with the other algorithms.
- GIBRG leads to production of simpler rules compared with the other algorithms.

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