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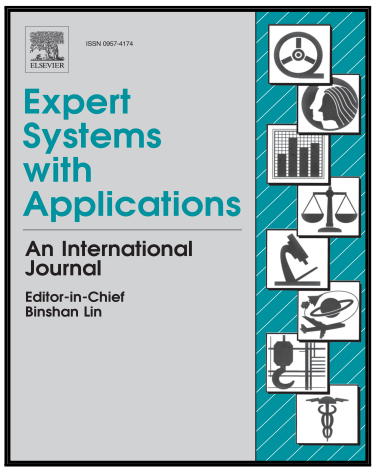

A comparative study of machine learning classifiers for modeling travel mode choice

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Highlights

- A comparison of 7 classifiers for travel mode prediction is performed.
- Prediction accuracy and variable importance for each travel mode is investigated.
- Among the investigated classifiers, random forest performs best.
- Trip distance followed by the number of cars are the most important variables.
- The importance of other variables varies with travel mode and classifier.

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