An Improved Approach to Evaluate Car Sharing Options

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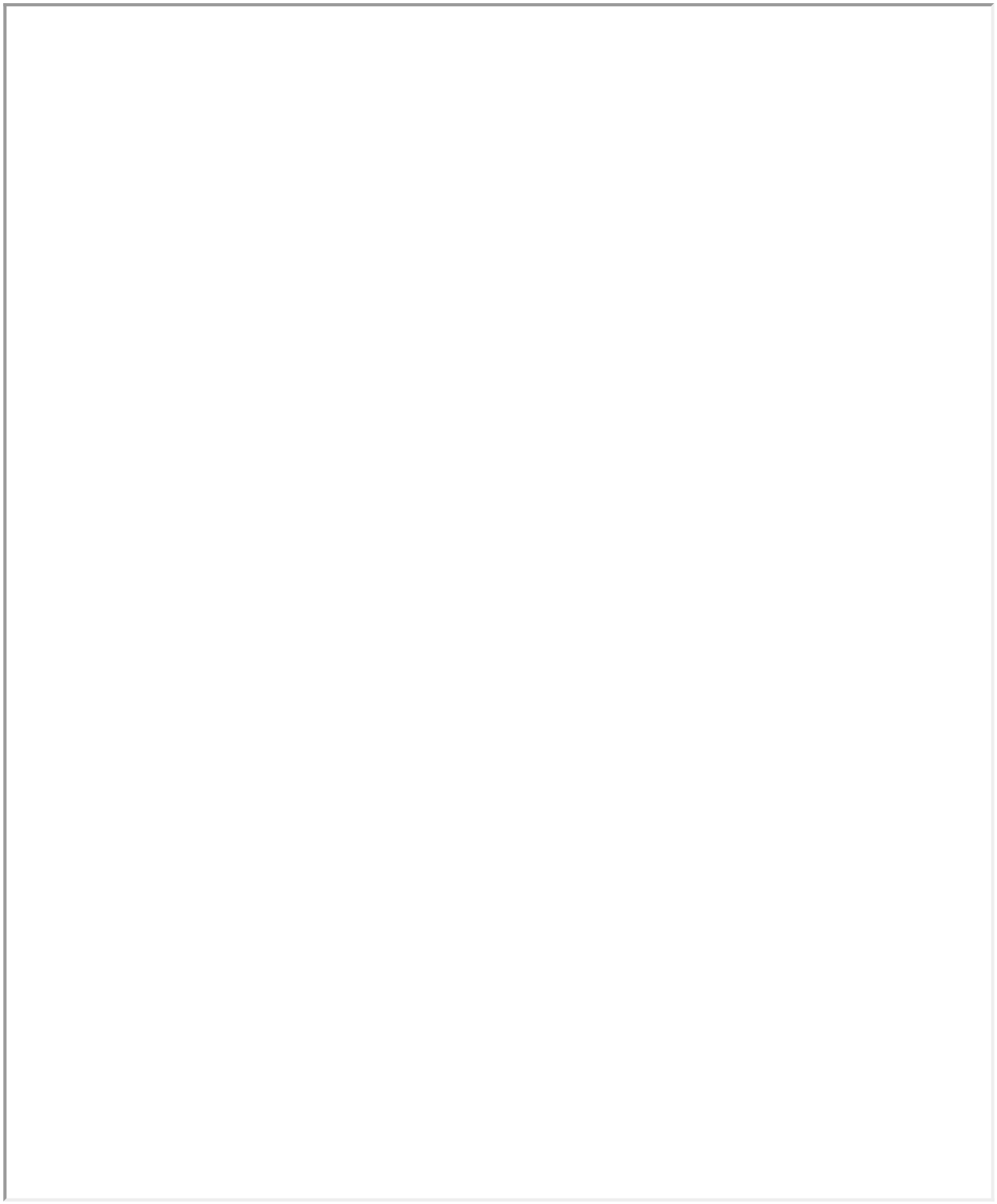
Why did we select this research?

An improved approach to evaluate car sharing options under uncertain environments with the combination of Fuzzy Analytic Hierarchy Process (F-AHP) and Fuzzy Technique for Order Preference by Similarity to Ideal Solution (F-TOPSIS), which consists of three steps.

Key findings:

- Benefits of car-sharing including individual benefits with lower travel costs, reductions in vehicle kilometers, fuel, accidents and emissions, and increased average speeds.
- Drive-sharing can be recommended as the best car sharing mode from a comprehensive point of view.
- Cooperation of people from all walks of life and a thorough change in their consuming habits from ownership to sharing in order to implement a car sharing system successfully.



Reference:

Qu, M., Yu, S., & Yu, M. (2017). An improved approach to evaluate car sharing options. *Ecological indicators*, *72*, 686-702. Retrieved from: https://www.sciencedirect.com/science/article/pii/S1470160X16304101.