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Demand uncertainty in Robust Home Care Optimization

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Highlights

- The manuscript addresses demand uncertainty in a home care setting.
- We propose a cardinality constrained robust approach to a problem that jointly considers assignment, scheduling and routing decisions.
- Some theoretical properties of the robust formulation are analysed.
- We report the results of a wide experimentation on real-life instances.
- A decomposition approach is proposed as a viable option to increase computational efficiency.

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