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Data and analytics for heating energy consumption of residential buildings: The case of a severe cold climate region of China

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Highlights:

- Heating energy consumption analysis of residential buildings in northern China.
- Energy performance of 40 residential buildings from 5 regions were investigated.
- Building labelling according to energy consumption and physical ability.
- Combination use of clustering and discriminate analysis give superior accuracy.
- Preparation for the retrofit of heating cost allocation method.

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