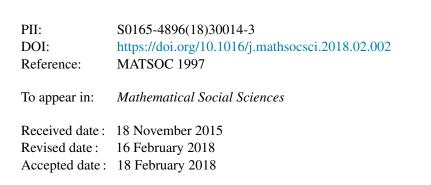
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Testing a mixture model of single-peaked preferences

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Highlights

- 1. Sufficient and Necessary conditions are described for binary choice data to be consistent with a mixture model of single-peaked preferences.
- 2. An algorithm is provided which can identify the underlying ordering, for which the mixture model is satisfied, of the alternatives.
- 3. This algorithm is shown to work in $O(n^2)$ time.

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