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**Criteria for Voting Systems**
- Veto...
- Borda...
- Range voting, Approval, Coombs...
- Plurality, Two-round, IRV, Bucklin...
- Baldwin, Dodgson, Kemeny, Maximin, Nanson, Schulze, Tideman...
- Set of voting systems
- Informed majority coalition criterion (InfMC)
  - A majority may choose the outcome when they know the other votes.
- Ignorant majority coalition criterion (IgnMC)
  - A majority may choose the outcome.
- Majority favorite criterion (MF)
  - Elects a candidate when she is preferred by a majority.
- Condorcet criterion (Cond)
  - Elects the Condorcet winner when there is one.

**Goal: Minimize the Manipulability Rate**

\[ \rho(f) = P(\text{voting system } f \text{ is manipulable}) \]

**Transformations**
- Initial voting system \( f \)
- Condorcification of \( f \)
  - Elects Condorcet winner when she exists.
  - Otherwise, same outcome as \( f \).
- Best slice of \( f^c \)
  - Depends only on orders of preference.
  - Meets the Condorcet criterion.

**Condorcification Thm.**
- If \( f \) meets InfMC:
  \[ \rho(f^c) \leq \rho(f). \]

**Slicing Theorem**
- If voters are independent:
  \[ \rho(f^{cs}) \leq \rho(f^c). \]

**Consequences**
To minimize manipulability while keeping InfMC, one may restrict to voting systems that:
- Depend only on orders of preference,
- And meet the Condorcet criterion.