

Panel on Social Choice, Data and AI

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AI and the use of data can support research on social choice:

- **Preference data**: frequency of paradoxes, useful domain restrictions
- AI techniques to **analyse social choice** problems: SAT, ...

Social choice theory can support other parts of AI:

- Principled **clean-up of crowdsourced data** (for ML: **bias** debate)
- **Aggregation beyond preferences**: argumentation frameworks, clusterings, ontologies, social networks, ...

Emerging opportunities due to renewed interest in classical AI issues:

- **Ethical AI**: ethical principles by aggregating many judgments (?)
- **Explainable AI**: explaining and justifying collective decisions