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Digraphs and choice functions

In this talk, we consider the problem of addressing inequities between individuals in time via choice. Such scenarios naturally may arise in instances where a notion of "fairness" occurs, such as in data and network processing, resource allocation, decision theory, and clinical trials. Connections with path-connected digraphs and cyclic preference are explored. Other problems related to digraphs and choice (as well as several open questions) are considered.