

Some Open Problem Sets for Generalized Blockmodeling

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Abstract. This paper provides an introduction to the blockmodeling problem of how to cluster networks, based solely on the structural information contained in the relational ties, and a brief overview of generalized blockmodeling as an approach for solving this problem. Following a formal statement of the core of generalized blockmodeling, a listing of the advantages of adopting this approach to partitioning networks is provided. These advantages, together with some of the disadvantages of this approach, in its current state, form the basis for proposing some open problem sets for generalized blockmodeling. Providing solutions to these problem sets will transform generalized blockmodeling into an even more powerful approach for clustering networks of relations.

Keywords

BLOCKMODELING, GENERALIZED BLOCKMODELING, CLUSTER ANALYSIS, OPTIMIZATION, SOCIAL NETWORKS, PARTITIONS