

## Abstract

This work is concerned with the minimization of the sum of absolute deviations and some problems to which this is applicable. A clear and rigorous development of a solution method, which reveals the important properties of the objective function and which indicates the special problems involved in the minimization, is presented. A survey unification of the literature concerning this problem has been attempted, and a careful study has been undertaken to determine which of the solution methods available is best according to simplicity of analysis and computational effort required. Two types of solution methods have been recognized - (1) linear programming methods and (2) non-linear programming methods. Finally, related problems called "shed" problems, which arose from certain agricultural considerations, are discussed.