

عنوان مقاله:

Facility Location Selection Using Clustering based Genetic Algorithms

محل انتشار:

دومین کنفرانس بین المللی پژوهش های نوین در مدیریت ، اقتصاد و توسعه (سال: 1396)

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خلاصه مقاله:

Facility location selection is one of the most important decisions of companies and industries. It is also the first step of starting a business process. Everything starts with the facility location selection. If a worse location far to suppliers, manufacturers or the market is selected, it causes ongoing increase costs for long term for both company and the others. It also effects the contracts made with the others in detail. Besides, facility locations effect labor costs and other technical costs. Almost all of the costs in the company is related with the facility locations. Because of these, facility location selection problem is solved by using clustering based genetic algorithms method in this study. With this aim, facility location selection problem and related literature are introduced in the introduction section. Methods used in the solution are presented in the following sections of introduction as clustering analysis, genetic algorithms and proposed algorithm. Detailed numerical results of the study is given in facility location selection section by using Ruspini75 data set from Operations Research Library. All obtained results are interpreted in the results discussion section and the study is concluded with the suggestions for future works in the conclusions section.

کلمات کلیدی:

Facility Location, Facility Location Selection, Clustering, Genetic Algorithms, Heuristics

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