

Ranking of Factors Affecting portfolio, the expected returns using fuzzy analytic network process

Hossein Sherafatmand*,

The main objective of this research portfolio is optimized using multi-criteria decision-making techniques. In order to do so, beginning with a review of literature identified criteria for stock ion and prioritization criteria identified by the experts and technical ANP were prioritized. And then the company according to specified criteria using fuzzy techniques (TOPSIS) and memetic algorithm prioritization and optimal portfolio is formed. Finally, the efficiency of the companies not ed in the basket of ed stocks and companies were compared. Methods this study of the nature and content of the correlation and the target is applied. . FANP techniques can be seen on the output when the inter-relationship variables to be considered as indicators of the importance and ranking will change. So commercial risk weight in 0.1243 is a top priority. Gross profit margin in the second priority is 0.909 by weight. Price-to-earnings ratio by weight is an important indicator third 0.0883.

Keywords : -Portfolio optimization, multi-criteria decision-making techniques, network analysis, return on equity

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