

LINEAR PROGRAMMING MODELS FOR ESTIMATING WEIGHTS IN ANALYTIC HIERARCHY P AND FOR OPTIMIZATION OF HUMAN RESOURCE ALLOCATION

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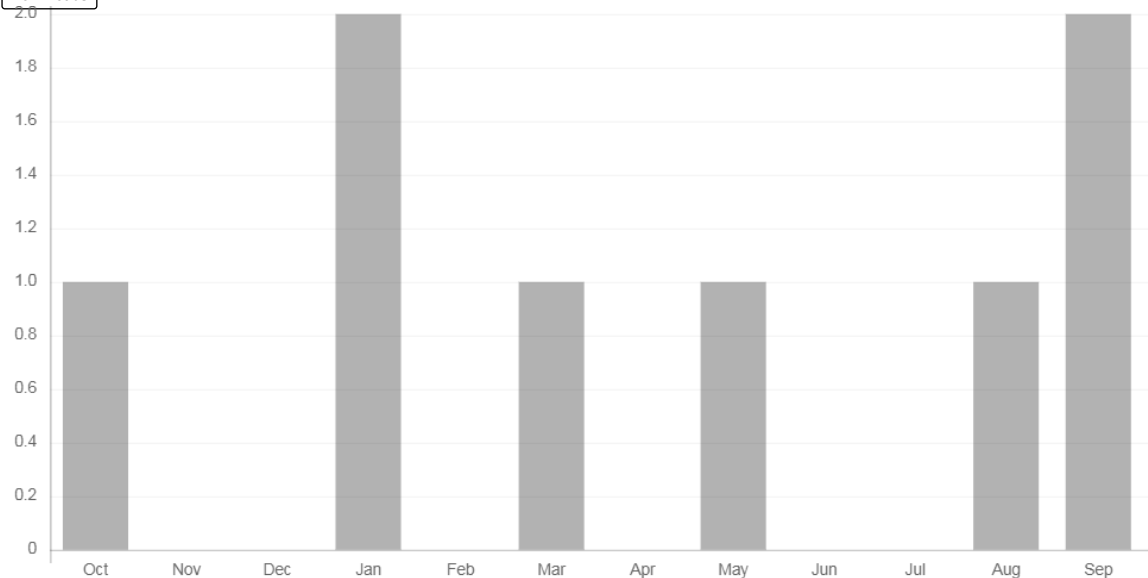
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Abstract

The Analytic Hierarchy Process (AHP) provides a way to rank the alternatives by deriving priorities. In this paper we used Linear Programming (LP) models to estimate a pairwise comparison matrix derived within the framework of the Analytic Hierarchy Process. The priorities obtained for the alternatives served as the coefficients function of linear programming to optimize a human resource problem at Bakhresa Food Product Limited (BFPL).

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Keywords

AHP, Linear Programming, Resource allocation, Element Dominance, Sensitivity analysis

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