# A New Method for Allocating in Representative Subsamples using Discrete Covariates

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**Abstract**: This work presents a new division methodology, given an initial data set, in k representative subsamples in relation to the initial data, based on covariates that define its characteristics. The results show that the proposed randomization methodology presents satisfactory results compared with the traditional simple random sampling technique.
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**Keywords**: Experiments studies; sub-sample allocation; sampling; randomization.

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