

Matrix adjustment with non reliable margins: a Generalized Cross Entropy approach

Topic: Some important issues regarding the matrix

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When survey input-output tables are not available, some non-survey technique is applied to estimate the target matrix. From known information about the row and column margins, the cells of the matrix are estimated using as a priori information other table supposedly similar to the target matrix. The adjustment process, however, usually lies on assuming that we have perfect knowledge on the row and column margins of the target matrix, which could be considered as a non-realistic supposition. This paper explores the possibilities of changing this assumption and proposes alternatives matrix adjustments based on Generalized Cross Entropy that can base on non-reliable margins.