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Measurement and Decomposition of Multidimensional Inequality of Opportunity

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In this paper we suggest a new measure of multidimensional inequality of opportunity - the Kullback Leibler divergence index, based on the definition of IOp derived from \cite{roemer1993}. We prove theoretically and numerically that this measure satisfies a larger set of properties mainly the additive decomposability by dimensions. We prove that this measure can be decomposed into IOp by dimensions along with an association measure between dimensions which is nothing by copula entropy.