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A Compositional Data Analysis of Life Satisfaction Survey Data for Turkey

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ABSTRACT

Life satisfaction survey is a yearly study carried out by Turkish Statistical Institute. It involves many parameters to measure the life satisfaction of Turkish population. Life satisfaction is the way persons evaluate their lives and how they feel about their directions and options for the future. Life satisfaction measures how people evaluate their life as a whole rather than their current feelings. It is a measure to show how well being of persons effect how they live. OECD creates an index called Better Life Index to compare different countries around the world. It is very difficult to measure the feelings of people therefore life satisfaction survey includes carefully chosen parameters to reveal how happy people are. According to OECD better life index, the general satisfaction of Turkish people with life on a scale from 0 to 10 is 5.6 grade. Compositional data describe parts of some whole set. They are generally presented as vectors of proportions, percentages, or frequencies. In this study, Life Satisfaction Survey data of Turkey is examined by compositional data analysis and some comparisons with OECD countries are shown.

KEYWORDS Compositional Data Analysis; Life Satisfaction; Correspondence Analysis

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