



Comparative Studies in Brazilian Metropolitan Cities regarding the National Consumer's Prices Index: a Multivariate Statistical Analysis from 2012 to 2014

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Studies on inflation intended to indicate the average effect on the economy of a complex phenomenon: the rise prices of various assets that comprise it. Specifically, inflation can be constructed from different baskets of goods as the prices relevant for groups that you wish to consider- Consumers, producers an industry or the economy in general, residents of an specific region. This study had objective to apply the exploratory analysis of multivariate datas in order to analyze inflation, but focused on grouping of metropolitan cities, aiming to contribute to research involving administrative power such as dealing with the measurement of inflation of a set of products and services sold at retail by the population of this cities. As a result, were obtained four groups of similar regions, considering the variables involved in the study, these are: food and drinks, housing, residence items, clothes, transport, health and personal care, personal expenses, education and communication. The metropolitan region of Curitiba remained isolate of the rest.

Keywords: inflation, consumer habits, *cluster analysis*.