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ART (Advanced Reporting Tools)

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ABSTRACT

The purpose of this paper is to discuss a kit of innovative reporting tools designed to improve readability and facilitate the interpretation of PROC FACTOR and PROC FASTCLUS output. This solution has been recently applied to the Italian Sector Analysis, proving to be extremely effective in this context, given the considerable number of variables and clusters involved in this analysis.

Our goal is to enrich the standard output of the above-mentioned procedures with innovative features using PROC REPORT and the ExcelXP tagset. Following this approach, we have developed an output in Excel format where the most significant results are effectively highlighted through the use of special fonts and colors. A dendrogram (tree diagram) has also been developed to allow the comparison between the results given by the k-means non-hierarchical method for subsequent partitions.

The output in Excel format makes it easier to share information within a team and allows results to be stored for further analyses. Moreover, selecting printable output reduces paper and ink consumption, then our method is also environmentally friendly.

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