

## Cluster Analysis of Retailers' Benefits from Their Cooperation with Manufacturers: Business Models Perspective

**Authors :** M. K. Witek-Hajduk, T. M. Napiórkowski

**Abstract :** A number of studies discussed the topic of benefits of retailers-manufacturers cooperation and cooperation. However, there are only few publications focused on the benefits of cooperation and cooperation between retailers and their suppliers of durable consumer goods; especially in the context of business model of cooperating partners. This paper aims to provide a clustering approach to segment retailers selling consumer durables according to the benefits they obtain from their cooperation with key manufacturers and differentiate the said retailers; in term of the business models of cooperating partners. For the purpose of the study, a survey (with a CATI method) collected data on 603 consumer durables retailers present on the Polish market. Retailers are clustered both, with hierarchical and non-hierarchical methods. Five distinctive groups of consumer durables; retailers are (based on the studied benefits) identified using the two-stage clustering approach. The clusters are then characterized with a set of exogenous variables, key of which are business models employed by the retailer and its partnering key manufacturer. The paper finds that the a combination of a medium sized retailer classified as an Integrator with a chiefly domestic capital and a manufacturer categorized as a Market Player will yield the highest benefits. On the other side of the spectrum is medium sized Distributor retailer with solely domestic capital &ndash; in this case, the business model of the cooperating manufacturer appears to be irrelevant. This paper is the one of the first empirical study using cluster analysis on primary data that defines the types of cooperation between consumer durables; retailers and manufacturers &ndash; their key suppliers. The analysis integrates a perspective of both retailers; and manufacturers; business models and matches them with individual and joint benefits.

**Keywords :** benefits of cooperation, business model, cluster analysis, retailer-manufacturer cooperation

**Conference Title :** ICMSE 2017 : International Conference on Management Science and Engineering

**Conference Location :** Venice, Italy

**Conference Dates :** April 13-14, 2017