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Supply Risk Exposure Measurement in Manufacturing Supply Networks: An Index Construction Approach

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Abstract

Although the topic of managing risk in supply networks is of increasing relevance and interest, only a limited number of empirical studies have been conducted to date. An instrument to measure the individual risk exposure of a manufacturing company arising from its supply network is still missing. This research gap is addressed by means of an index construction procedure. Data is collected based on an expert survey across manufacturing companies. The application of the proposed index could inspire future empirical research and thus may provide deeper insights into the management of supply risk and its interaction with other company-specific parameters.

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