Enhancing business resilience: anomaly detection and root cause analysis in power bi for sick Businesses in india

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Abstract:

This article introduces a comprehensive approach aimed at enhancing the resilience of distressed businesses in India through the utilization of Power BI for the purposes of anomaly detection and root cause analysis (RCA). The methodology is specifically designed to tackle the unique obstacles faced by these firms, which encompass challenges related to cash flow limitations, diminishing sales, and operational inefficiencies. Through the utilization of the advanced analytics and visualization tools offered by Power BI, our strategy strives to provide practical insights to aid businesses in detecting and addressing irregularities within their processes. A detailed empirical study is included to illustrate the application of the methodology in a real-world setting, highlighting its effectiveness in improving decision- making and operational efficiency. Furthermore, the article explores potential future improvements, such as the incorporation of machine learning algorithms to enhance the accuracy of anomaly detection and the implementation of real- time monitoring capabilities. This contribution contributes to the expanding literature on the utilization of business intelligence tools to reinforce business resilience, particularly in the context of struggling enterprises in India.

Keywords: