









## CONCLUSION

In this paper, a logistic regression model is developed for early warning on pure financial indicators as shown in Fig. (2). The paper applies the factor analysis and logistic regression analysis and uses listed company financial statements to disclose financial data. And then it conducts empirical research of financial risk early-warning and has achieved good results. The study results showed that logistic regression model for early-warning based on the financial data can provide a high level of discriminant accuracy and able to reflect the true financial position and operating results.

It is desirable to further apply logistic regression model to solving those more complex real-world optimization problems and it will be our further work.

## CONFLICT OF INTEREST

The authors confirm that this article content has no conflicts of interest.

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