Review of: "Using the Altman Z-Score Model to Forecast the Financial Distress of a Subset of NIFTY 50 Companies in the Indian Stock Market"

Archi Roy[1]

1 Indian Institute of Science Education and Research, Pune

Potential competing interests: No potential competing interests to declare.

The study evaluates the financial distress status of few selected NIFTY 50 companies during the recent year 2022-2023 using the Altman Z score model. The manuscript is well written and provides important insights on the financial health of major Indian firms. However, the article does not address the following issues.

- The literature review section has several gaps.
- The sampling selection procedure of the study is not clear.
- The data period (one year) considered is too small to get a reliable inference. It would also be interesting to evaluate the performance of the Z-score model during a financial crisis (for example the 2007-2008 global financial crisis, the 2019 global economic slowdown, the 2020-2021 COVID-19 recession etc.).
- The Altman Z model is based on multivariate discriminant analysis (MDA) which is widely criticised in the literature for having several drawbacks that often makes it inappropriate for practical use (for example, assuming all predictors to be multivariate normally distributed). The authors should add a brief discussion on why the current methodology is preferred over the later modifications of the Z-score model (see https://doi.org/10.1111/jifm.12053) or the probit/logit model, market based hazard models or neural network based models.