

Review of: "Causality Analysis for Non-Communicable Diseases, Obesity, and Health Expenditure: Toda Yamamoto Approach"

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Potential competing interests: No potential competing interests to declare.

Dear authors, the article is very informative and studies an important topic. It examines the causal relationship between non-communicable disease (NCD), obesity, and health expenditure in Turkey using econometric time series analysis. But the following can be points of my concern, and it can be rechecked:

1. You need to add the study implication and the contribution to the other studies in the abstract.
2. The research gap or the contribution of the study should be mentioned before the objective in the introduction.
3. There is only one objective in the introduction, and two objectives are mentioned throughout the paper.
4. In Figure 1, the source should be added to the caption of the figure.
5. At the beginning of the methodology section, you mentioned two objectives, and you tested three hypotheses in the assumptions.
6. In the methods section, you need to add more explanation about the Toda Yamamoto approach, MWALD test.
7. Actually, causality in time series models doesn't mean that one variable affects the other; it means the variable or its lags can forecast the dependent variable. I think you need to estimate the impulse response function besides your causality approach.
8. You need to add the years between brackets when mentioning the authors at the beginning of the paragraph.
9. Discussion should include the summary of the main results and the interpretation of the insignificant or unexpected results. It is not obvious from the discussion what agrees or disagrees with your study from the literature. You need to add also the implications, limitations, and future work recommendations.
10. In conclusion, restate your research question, summarize the main points and the significant results, and conclude your thoughts.