

## Reviewer Report

**Title:** Preventing dataset shift from breaking machine-learning biomarkers

**Version:** Revision 1      **Date:** 7/13/2021

**Reviewer name:** Guray Erus

### Reviewer Comments to Author:

The authors provided clear and convincing answers to all reviewer questions. Additional results using UKB data are very informative and complementary to other results. Overall, this is a well-written paper with a clear message. I believe that it will be a very useful resource on a topic that is becoming increasingly important with increasing use of machine learning based models in clinical settings.

### Methods

Are the methods appropriate to the aims of the study, are they well described, and are necessary controls included? Choose an item.

### Conclusions

Are the conclusions adequately supported by the data shown? Choose an item.

### Reporting Standards

Does the manuscript adhere to the journal's guidelines on [minimum standards of reporting?](#) Choose an item.

Choose an item.

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Are you able to assess all statistics in the manuscript, including the appropriateness of statistical tests used? Choose an item.

### Quality of Written English

Please indicate the quality of language in the manuscript: Choose an item.

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