Research Reproducibility Report on Aimy's "RRWM 1" Assignment

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Poll: Were you able to reproduce the work based only on the program (not the code)?

- No, my numbers are off.

Questions for discussion:

1. *Where did it go off the rails? Was there one error that compounded everything?*

Yes, beginning with the recoding of the dependent variable (self-rated health, i.e., srh_110). It was not clear the subcategories to group into "good health" and "poor health". I wish the values were provided. E.g., recode 1 to 3 as 1 "good health"? Similar challenge was encountered in the recoding of several other variables, including "spouse main activity (map_110)," and "spouse's work schedule (map_155)," and "respondent's level of education (ehg3_01b)".

Furthermore, for marital status, the program did not clarify what to do with the other subcategories: 3 "Widowed", 4 "Separated", and 5 "Divorced". Drop them? Combine them? Therefore, I assumed that they were to be dropped, so I did that first before recoding.

2. *What pieces of the program left you guessing as to what to do?*

First, the categories to regroup when recoding to generate new variables. Second, the program did not specify whether to output coefficients or odds ratios, however, I outputted the latter in my logistic regression models and was pleased to find that the researcher did the same thing.

3. *Any comments or reflections about the reproducibility exercise? For instance, has it changed your mind about the benefits (or costs) of open science? For those in fields where replication materials are not readily available, could an emphasis on reproducibility disadvantage researchers who use qualitative methods or restricted (e.g., administrative) data?*

Yes! I appreciate the exercise, and I think a program is worth having, although I could not use this program to reproduce the results of the researcher. I believe I would have done better if the instructions in the program where more detailed or specific.

My mind is unchanged about the benefits or costs of open science. I agree that reproducibility disadvantages researchers in contexts such as qualitative research and the quantitative analysis of restricted data. Nevertheless, where possible, a good program will make reproducing a study easier and faster.