*Reassessing Welfare Impacts of Bulgarian Fiscal Policy
through a Child Poverty Perspective*

Reproducibility package ID: RR_BGR_2023_55-v01
(Third submission)
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This review verifies the reproducibility of the exhibits included in the publication *"Reassessing Welfare Impacts of Bulgarian Fiscal Policy through a Child Poverty Perspective"*.

Contents in this review:

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Main findings

1. The code used restricted data that could not be shared with the reviewers. The review took place virtually and the reviewers verified that the code ran on the computer of one of the authors.

2. All the exhibits reproduced. Two of them presented minor differences that the reviewer attributes to rounding and do not break the reproducibility of results.

Reproducibility assessment

The data used for this paper was restricted and could not be shared with the verification team. The reproducibility of the exhibits was verified remotely in a virtual call on January 18, 2024. During the call, one of the authors ran the code on their computer and shared the code outputs with reviewer, who subsequently compared them against the exhibits in the manuscript to verify their reproducibility. The authors sent the manuscript used in the comparison over email on January 29, 2024.

All exhibits except Table 2 and Table A2 reproduce exactly as shown in the paper. The differences in these two exhibits, however, are minimal in magnitude and the reviewer considers they occur due to rounding differences that do not break the reproducibility of the results.

List of exhibits and reproducibility status

Exhibits in the main section of the paper

- **Figure 1 - Panel A** Reproduced

- **Figure 1 - Panel B** Reproduced

- **Figure 1 - Panel C** Reproduced
- **Figure 1 - Panel D** Reproduced
- **Figure 2 - Panel A** Reproduced
- **Figure 2 - Panel B** Reproduced
- **Table 1 - Panel A** Does not apply: the exhibit does not contain analysis results
- **Table 1 - Panel B** Does not apply: the exhibit does not contain analysis results
- **Figure 3 - Panel A** Reproduced
- **Figure 3 - Panel B** Reproduced
- **Figure 4 - Panel A** Reproduced
- **Figure 4 - Panel B** Reproduced
- **Figure 5 - Panel A** Reproduced
- **Figure 5 - Panel B** Reproduced
- **Figure 5 - Panel C** Reproduced
- **Figure 6** Reproduced
- **Figure 7 - Panel A** Reproduced
- **Figure 7 - Panel B** Reproduced
- **Figure 7 - Panel C** Reproduced
- **Figure 8 - Panel A** Reproduced
- **Figure 8 - Panel B** Reproduced
- **Figure 8 - Panel C** Reproduced
- **Figure 9** Reproduced
- **Figure 10** Reproduced
- **Figure 11** Reproduced
- **Figure 12** Reproduced
- **Figure 13 - Panel A** Reproduced
- **Figure 13 - Panel B** Reproduced
- **Figure 14** Reproduced
- **Figure 15** Reproduced

- **Figure 16 - Panel A** Reproduced

- **Figure 16 - Panel B** Reproduced

- **Table 2** Reproduced with a small difference for row *Fulfilling domestic tasks* and column *Both parents or 2+ breadwinners*: 5.2 in the paper exhibits versus 5.1 in the code output. We attribute this difference to rounding and do not consider that it breaks the reproducibility of results.

- **Figure 17** Reproduced

- **Table 3** Reproduced

- **Table 4** Does not apply: the exhibit does not contain analysis results

- **Figure 18 - Panel A** Reproduced

- **Figure 18 - Panel B** Reproduced

- **Figure 18 - Panel C** Reproduced

- **Figure 18 - Panel D** Reproduced

- **Figure 19 - Panel A** Reproduced

- **Figure 19 - Panel B** Reproduced

- **Figure 19 - Panel C** Reproduced

- **Figure 19 - Panel D** Reproduced

- **Figure 20 - Panel A** Reproduced

- **Figure 20 - Panel B** Reproduced

- **Figure 20 - Panel C** Reproduced

- **Figure 20 - Panel D** Reproduced

Exhibits in the Annex

- **Table A1** Reproduced

- **Table A2** Reproduced with a small difference for row *Gas Direct Effects* and column *Redistributive effect* (-0.001 in the paper versus 0.000 in the code output) and for row *Electricity Indirect Effects* and column *Redistributive effect* (-0.002 in the paper versus -0.001 in the code output). We attribute this difference to rounding and do not consider that it breaks the reproducibility of results.

- **Table A3** Reproduced

- **Figure A1 - Panel A** Does not apply: the exhibit does not contain analysis results

- **Figure A1 - Panel B** Does not apply: the exhibit does not contain analysis results