Response to Referee 1 Quantitative Economics MS 2442 "Welfare and Spending Effects of Consumption Stimulus Policies"

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Thank you for your thoughtful comments and suggestions on our paper "Welfare and Spending Effects of Consumption Stimulus Policies". They were all very useful to us in revising the paper. We hope you agree that the paper has improved. In the following, we state each of your comments in italics and provide point-by-point responses to them.

Main comments

- (a) Long-run multipliers in partial equilibrium. This is a new comment, so may be discarded: I wonder how interesting the long-run multipliers in Table 5 are. Without any supply effects, as $t \to \infty$, these just converge to 1 as all income is eventually consumed, unless I am mistaken. This is perhaps worth stating in the discussion of Figure 7 to help the interpretation.
 - **Response.** We agree that it would be useful to point this out, and we have added footnote 26 to our discussion of the multipliers in section 4.2: "In the case that there is no aggregate demand effect, these multipliers converge to 1 as t goes to infinity." (Also note that Table 5 is now Table 6, and Figure 7 is now Figures 4(d)-(f).)
- (b) The new general-equilibrium analysis. What is not standard in the GE analysis is perhaps the labor agency does this give rise to the non-zero profits from vacancy posting? More importantly, the authors consider in this analysis the policies in steady state, not conditional on a recession with high unemployment. I don't understand the reason for this: the method the authors use for model-solution (based on the sequence-space Jacobian following Auclert et al) limit the analysis to small shocks around the stationary distribution

in the absence of aggregate shocks. But the benefit of that method is limited here (since the authors essentially only compute the model once, so speed is not of the essence). So why not consider the same jump in unemployment at the beginning of a non-linear transition computed using Boppart, Krusell, and Mitman (2018)'s method? They should also be able to compute the welfare effects in this case.

Response. The labor agency specification follows the recent quantitative HANK and SAM literature (e.g., Graves (2025) and Gornemann, Kuester, and Nakajima (2021)). Its purpose is to simplify matching to an aggregate level, independent of wealth and productivity, allowing the model's focus to be on consumption. Introducing a labor agency indeed generates nonzero profits, which are assumed to be retained by firms rather than distributed to households. Since nominal price rigidities make these profits countercyclical—a standard feature of New Keynesian models without nominal wage stickiness—how, and whether, these profits are distributed to households matters in a HANK setting where MPCs are realistically large. To prevent a counterfactual consumption response to profits, we assume firms hold these profits.

Thank you for suggesting the computation of a non-linear transition path. We think the method in Boppart, Krusell, and Mitman (2018) could be used to overcome some of the limitations in our general equilibrium analysis. We have added a footnote in the HANK section of the paper: "One approach to overcome this limitation, which could be used in future work, is described in Boppart, Krusell, and Mitman (2018)."

¹The development of HANK models with finer levels of labor market segmentation is a current challenge for the HANK and SAM literature due to its computational complexity.

Additional comments

(a) "Furthermore, the HANK and SAM model incorporates many other confounding and confusing elements that do more to obscure than to illuminate our points." (Intro). This comment seems to indicate that the authors do not think their own analysis is useful.

Response. We agree and we have removed the offending sentence.

Additional References

• Broer, Tobias, Jeppe Druedahl, Karl Harmenberg and Erik Öberg, "Stimulus effects of common fiscal policies", mimeo.

Response. Thank you for pointing us to this paper which studies the output response of fiscal policies in a HANK and SAM model similar to the one we include in our robustness exercise in Section 5. We have added the reference to the paper in our literature review section, and a brief discussion of their results relative to ours at the end of section 5.

Finally, we would like to thank you again for your careful advice on our paper. We hope you find our revision satisfactory.

References

Boppart, Timo, Per Krusell, and Kurt Mitman (2018): "Exploiting MIT shocks in heterogeneous-agent economies: the impulse response as a numerical derivative," *Journal of Economic Dynamics and Control*, 89, 68–92.

Gornemann, Nils, Keith Kuester, and Makoto Nakajima (2021): "Doves for the Rich, Hawks for the Poor? Distributional Consequences of Systematic Monetary Policy," ECONtribute Discussion Papers Series 089, University of Bonn and University of Cologne, Germany.

Graves, Sebastian (2025): "Does Unemployment Risk Affect Business Cycle Dynamics?," American Economic Journal: Macroeconomics, 17(2), 65–100.