**Report on Research Progress**

**Ph.D. Student:** Decory Edwards

**Main Advisor: Chris Carroll**

**Work Completed in (month/year): November 2023**

**Date Filed:** October 4

1. **Please list meetings (frequency, forum, etc.) with your main advisor.**

* **We meet every Friday using calendar appointments.**

1. **Please list meetings with other faculty and/or advisors.**

* **For now, my only meetings are with my main advisor, Chris. My second advisor has changed to Jonathan Wright.**

1. **For my job market paper,** 
   * **I planned (last month) to accomplish the following:**
   * “Code up” the life-cycle version of the model and compare the solution there to the solution to the baseline model.
   * Extensively go through the JEDC volume and provide citations from each of the (eight) papers there regarding the calibration methods used in those models.
   * **For my job market paper, I accomplished the following:**

* I accomplished the first task, but not the second. I will explain more in the next section.
  + **Supposing there are discrepancies between a and b, explain why.**
* Tasks of higher priority have emerged as I finished tasks that I discussed in question 4 of the progress report for October. That is, after implementing the “log\_difference” tool and speeding up the life-cycle code, I started to think of extensions of the model instead of writing the code to compute empirical targets for multiple years. The latter is a task that will require that I go through the JEDC volume carefully to resolve the issue about what capital-to-output ratio to use in the estimation. The reason this seems like an issue of less priority is because i) the HARK toolkit has wealth data for multiple SCF waves already, so the code I have in mind is only a marginal addition (though a necessary one in the spirit of reproducibility) and ii) once the “full model” is completed, then it can be estimated using waves of the survey from other years.
  + **For my job market paper, I plan to accomplish the following next month:**
* Point i) in the previous response has shifted my priorities. Now that I have some preliminary results for the project, the next steps are to “start over” regarding building the model and performing the estimation starting from the latest tools in HARK. This will not only be a valuable learning experience for me, but it will also give me solid grounding to incorporate the extensions of the model needed to reach its full version. This will likely take longer than a month, given that the end of the semester is always hectic, but I put it as the main goal here since it is the highest priority regarding my job market paper.

1. **What other papers are you working on? With whom?**

* Currently, I am not working on anything else. My research assistant duties with HARK currently overlap almost perfectly with my most high priority task regarding my job market paper. I am likely to receive some other tasks in the interim though.
* That being said, I am currently looking for summer research opportunities, so that I can make some headway regarding finding a topic for the second chapter of my dissertation.
* The third chapter of my dissertation will likely be a revamping of my second year paper. It is always on the back of my mind, but it is low priority at this point and does not receive much attention. I think this is okay for now.

1. **For each paper listed in 4, please answer the questions in 3?**