Trial Run Questionnaire and Guide

Joseph Huang

1 Questionnaire

This exercise consists of two parts. First, we ask you to run an existing model in the literature. Second, we ask you to run a model of your own. **If you ever encounter a difficulty or hurdle such that it takes too long for you to figure out, please stop and email me. This software is meant to be easy, concise, and self-explanatory. Therefore if it takes too much time to figure out what to do, it is probably my fault!**

1.1 Solve an existing model

In this model, can you solve a model with parameters: $a_h = -\infty, \gamma_e = \gamma_h = 3, \psi_e = \psi_h = 3, \phi = 5, \underline{\chi} = 0.4$. This parameterization mimics He and Krushnamurthy (2013).

Can you please take note of the following:

- Any unclear, confusing parts in the documentation?

- Were you stuck anywhere, such that you had to do a lot of Googling to figure out?

- Any bugs?

- Amount of time, in total, needed to figure out how to complete this exercise?

- Amount of time taken for the program to run?

- The outcome of the program: (1) Was it clear to you what happened? (2) What actually happened?

- Suggestions from programming and user-experience perspectives

- Anything else?

1.2 Your own model

In this exercise, please pretend that you're using this software for your research purposes and that you're testing out a model of your interest. Can you please, in addition to the bullet points above, take note of the following:

- The models that you tried to solve

- What did you do in order to solve your model of interest?

- Outcomes of your attempts (did it converge or did it get stuck?)

- Were you able to tell what happened when your attempt failed to generate what you wanted?

- Were you able to find a way to make the program converge, when your first attempt failed? If so, how did you figure out what to do, and what did you do exactly?