

PREPARATION INFORMATION

Agent-Based Modeling Workshop:

NetLogo Section

August 7th, 2009

This information sheet and questionnaire is intended to prepare you for participation in the NetLogo workshop that is being held as part of Agent-Based Modeling Workshop at the AOM. The NetLogo section of this workshop will focus on Building an Agent-Based Model using the NetLogo tool and will be led by William Rand, an assistant professor from the University of Maryland who works with the NetLogo development team at Northwestern University led by Uri Wilensky. In order for us to “hit the ground running”, we ask that you look over the material below.

Downloading

Before the workshop please download the NetLogo modeling environment from the Center for Connected Learning and Computer-Based Modeling at: <http://ccl.northwestern.edu/netlogo/>. Click on the “Download” link and from there follow the directions to install NetLogo on your machine. Version 4.0.4 is what we will be using during the workshop.

Tutorials

In order to familiarize yourself with the tools, there are some basic NetLogo tutorials for you to use. We *strongly* recommend this practice in advance in order to get the most out of the workshop experience. The tutorials take a couple of hours but will give you the skills you need to make the most out of the workshop. To access these tutorials:

1. Start up NetLogo 4.0.2, and click on “Help” in the menu bar.
2. Then choose “User Manual”.
3. Once the User Manual loads up in your browser, you will see three tutorials listed on the left-hand side under “Learning NetLogo.”

If you have any questions with any of this or need help, please email feedback@ccl.northwestern.edu.

Questionnaire

Unfortunately due to time constraints we will not have enough time to fully develop your own models, but hope that you can learn some of the basics of model develop from the presentation. For your own use, we include a questionnaire that we usually distribute to individuals interested in constructing their own models. It will help you think through a complex phenomenon that you are interested in modeling.

(6) In what kind of environment do these agents operate?

(7) How do these agents interact with this environment?

(8) If you had to “discretize” the phenomenon into time steps, what events and in what order would occur during any one time step?

(9) What do you hope to observe from this model?

Thank you in advance for your time and effort on these questionnaires. We look forward to seeing you soon.