

Comp 3710 Artificial Intelligence Concepts.

Assignment 0 (Points 4)

Due on 17/01/2021 Before 11:59pm

Download the **NetLogo software**
from <http://ccl.northwestern.edu/netlogo/>

1. Open up the NetLogo application.
2. Try out 3 of the sample models (not anything from “under development”).
3. Some suggested starter models to look at are:

Fire, traffic-basic, wolf-sheep predation, virus, party, decay, segregation, mousetraps, wave machine, rumor mill, giant component. But you are welcome to pick any 3 models either in the samples folder or on the ccl models web site: ccl.northwestern.edu/netlogo/models.

In the “Info window” for each model, there are several sections. For each of the 3 models you choose, do the “things to notice” and the “things to try” sections. For one of the 3 models, please also do the “extending the model” section. Please turn in short write-ups of what you learned from exploring the models and turn in the file for the one extended model.

Note: To get full points, extended model should be fully completed as described.

Submission:

- Explain all three models of what you exactly learn from exploring each model (at least a paragraph of 100 words) **DON'T SUMMERIZE THE DESCRIPTION FROM THE TOOL.**
- Explain the extended model clearly and include screenshots. (You should be able to explain your extended model whenever required.)

Further References:

1. <http://ccl.northwestern.edu/rp.shtml>
2. <http://www.agent-based-models.com/blog/>