

Bml.comments

1. For what values of p , the density of the grid, did you find free flowing traffic and traffic jams? Did you find any cases of a mixture of jams and free flowing traffic?

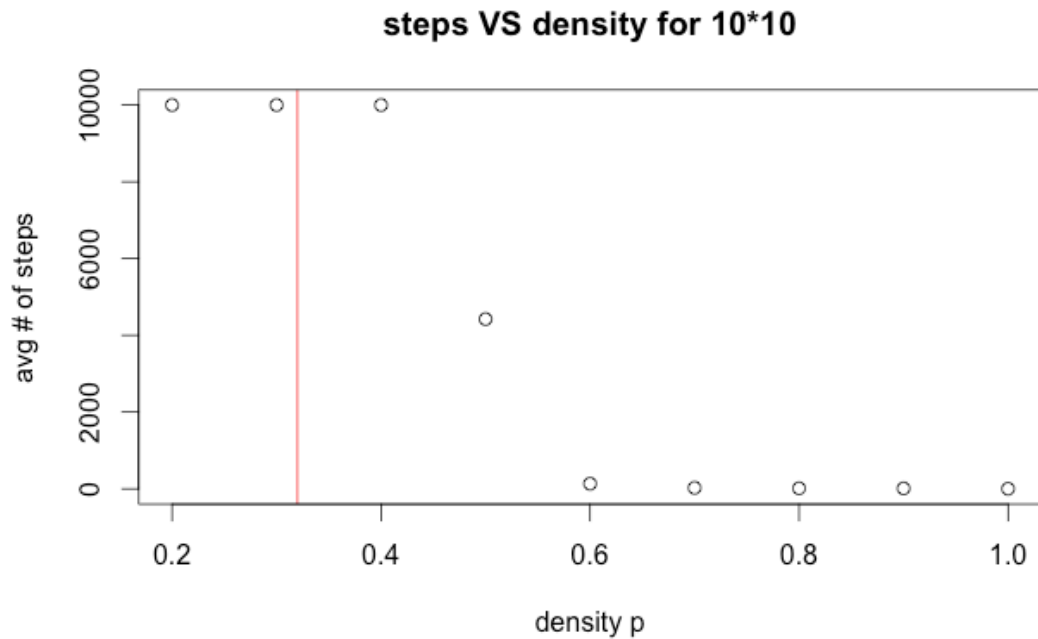
For $p=0.99$ there will be traffic jams. For $p=0.2$, there will be free flowing traffic. For $p=0.5$ there will be mixture.

2. How many simulation steps did you need to run before observing this behavior?

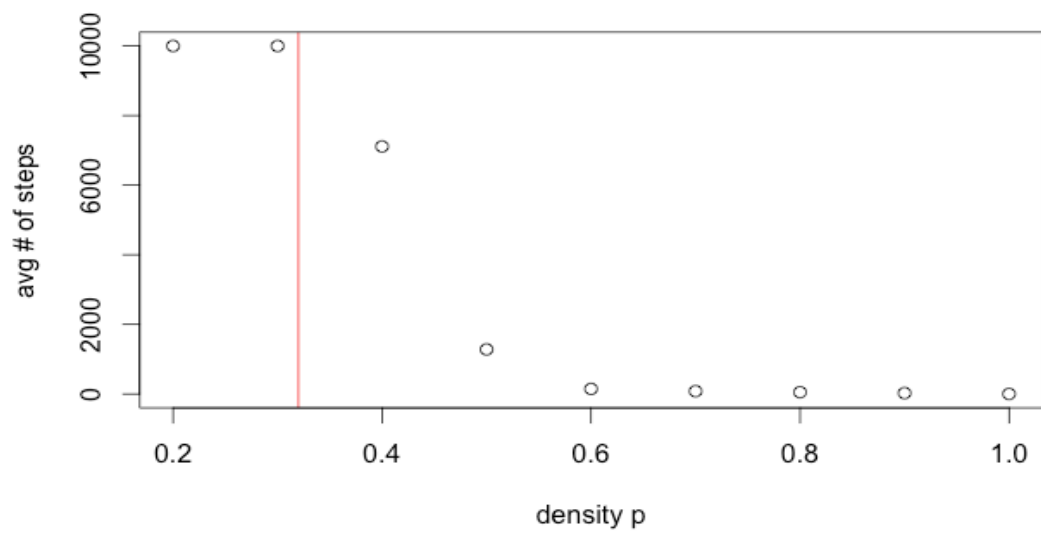
For the simulation I have done, the maximum steps are 10000.

3. Does the transition depend on the size or shape of the grid?

Yes, it did, as shown for the following graphs. For the same $p=0.4$, with different grid size, the results are different.



steps VS density for 50*50



steps VS density for 100*100

