

Learning Dynamics: Assignment 2

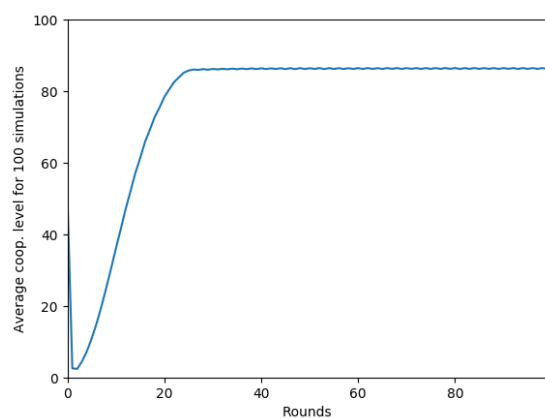
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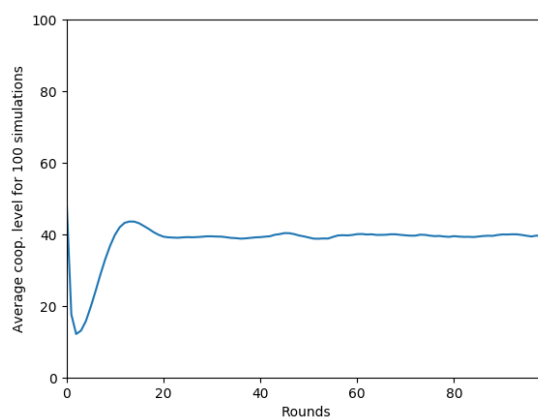
November 23, 2017

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(a) Moore neighborhood



(b) Von Neumann neighborhood

Figure 1: Cooperation level using unconditional imitation and weak prisoner's dilemma on a 50x50 lattice

1 Part I

2 Part II

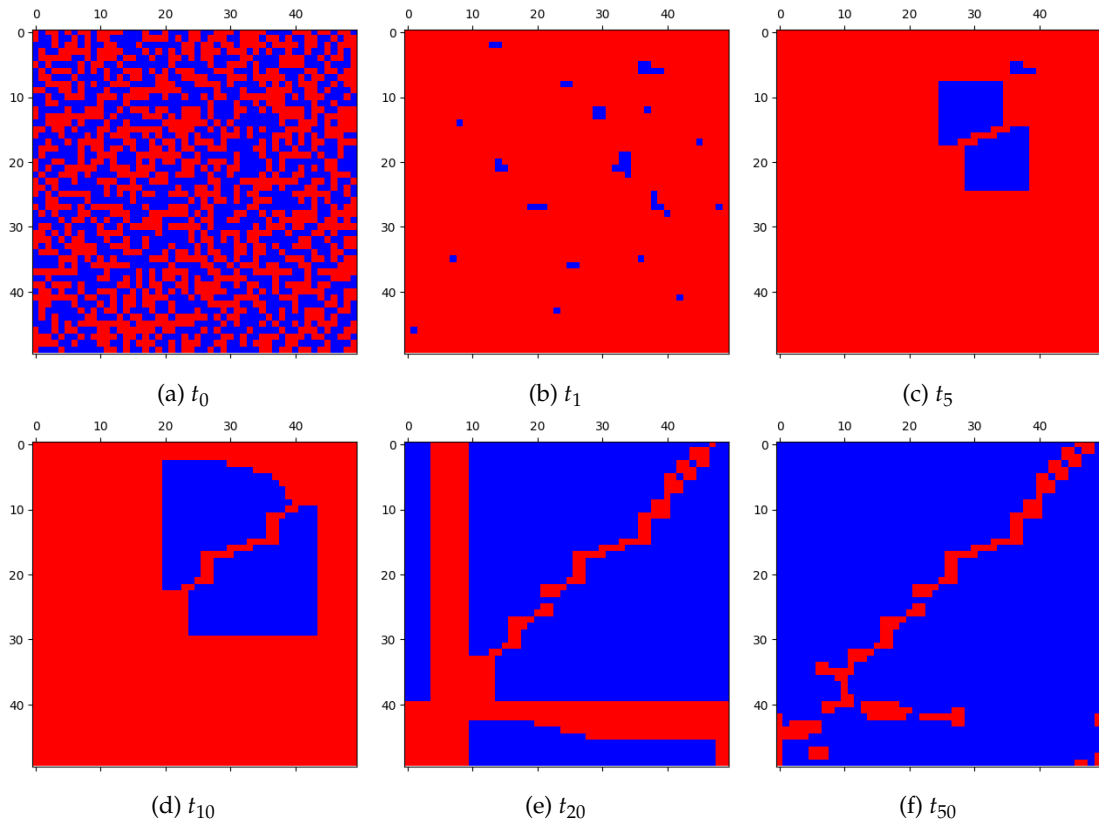
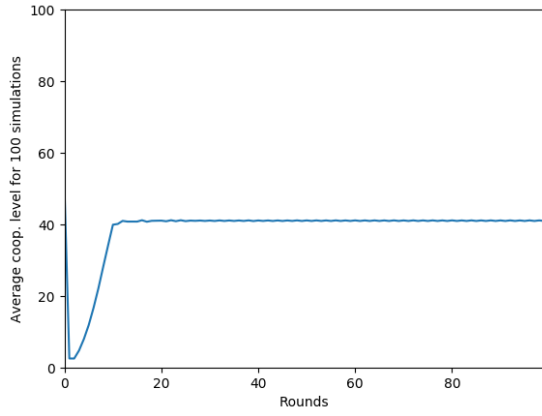
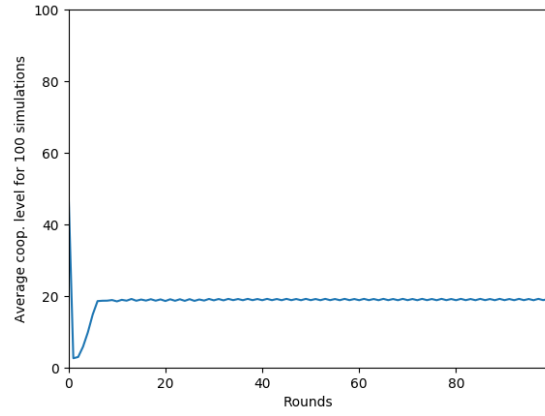


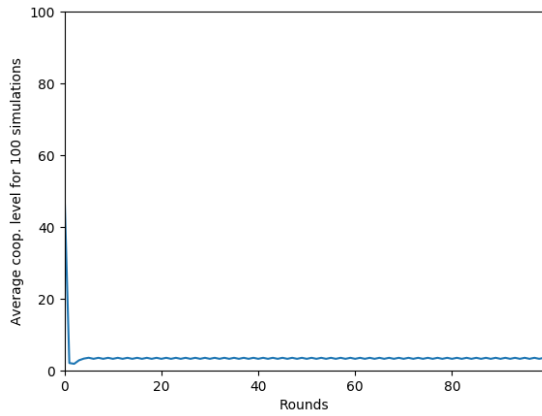
Figure 2: Visualization of a the lattice with unconditional imitation, Moore neighborhood and weak prisoner's, dilemma



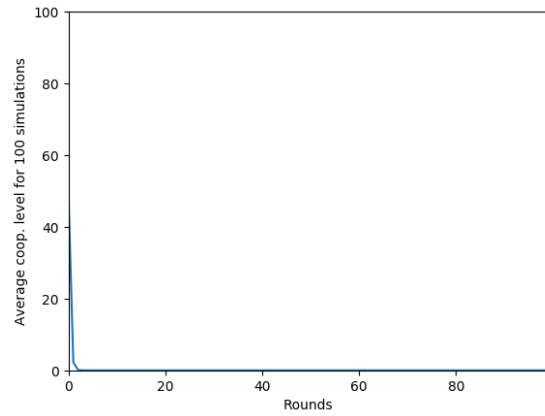
(a) 20x20



(b) 12x12



(c) 8x8



(d) 4x4

Figure 3: Cooperation level using unconditional imitation, Moore neighborhood and weak prisoner's dilemma

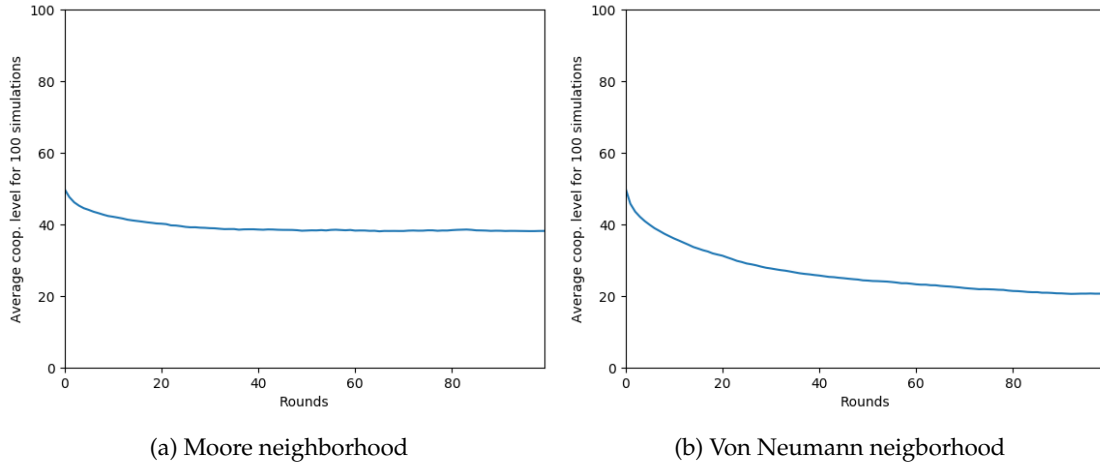


Figure 4: Cooperation level using replicator rule and snowdrift game on a 50x50 lattice

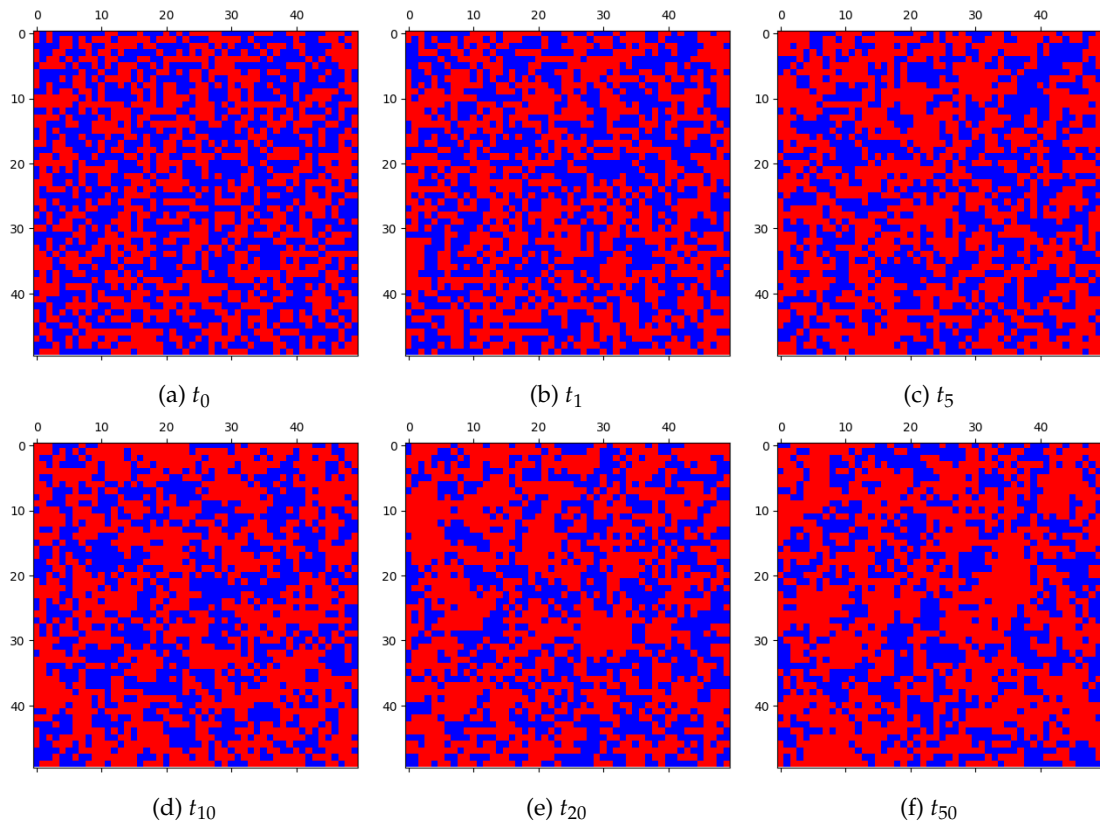


Figure 5: Visualization of a the lattice with replicator rule, Moore neighborhood and snowdrift game

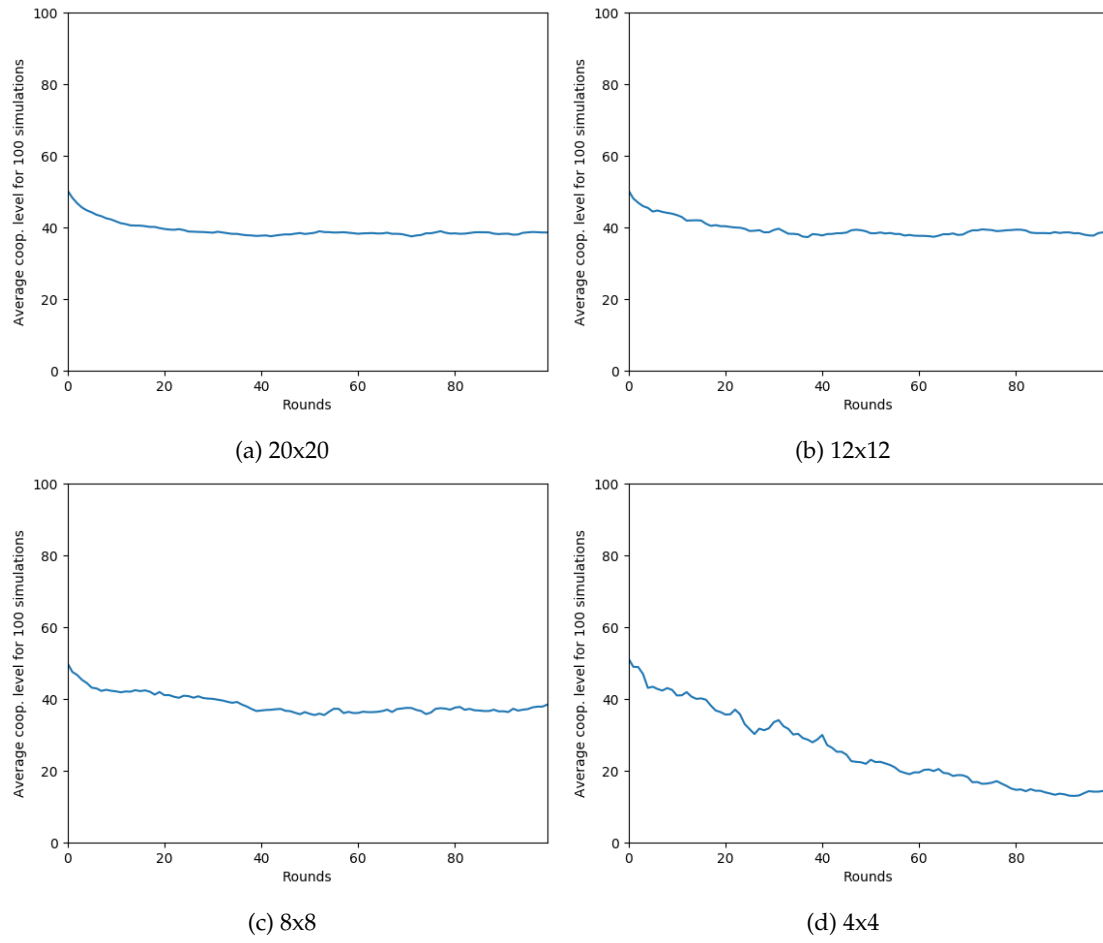


Figure 6: Cooperation level using replicator rule, Moore neighborhood and snowdrift game