ABM Dynamics 6.0×10^4 Susceptible 5.0×10^4 Exposed 4.0×10^{4} Infected Recovered 3.0×10^4 Dead 2.0×10^4 1.0×10^{4} 0 250 500 750 1000 0 Agents response to n Reproduction number 5.5 0.25 happiness Ro 0.00 5.0 -0.254.5 -0.50-0.754.0 -1.003.5 -1.25

0

250

500

750

1000

250

0

500

750

1000