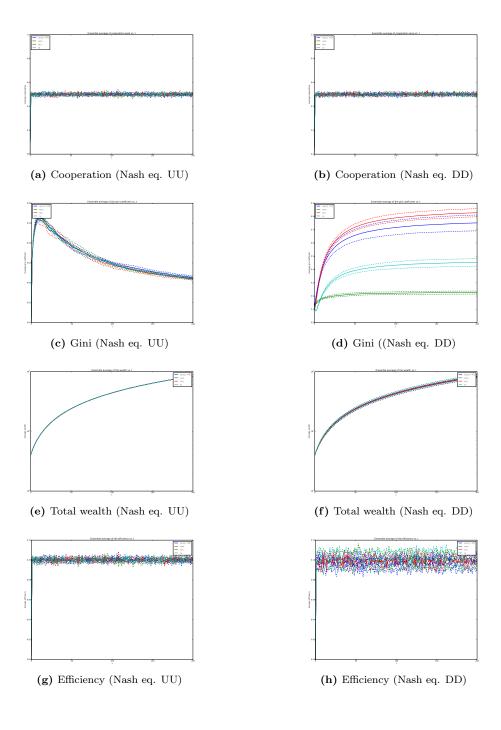
## Progress report Madis Ollikainen July 31, 2015



**Figure 1:** Comparison of Nash eq. simulations for uniformly distributed investment talent and investment cap (UU) and Gaussian distributed investment talent and cap (DD). Number of agents N=400, size of ensemble NE=5, simulation duration T=200, beta  $\beta=0.05$ .

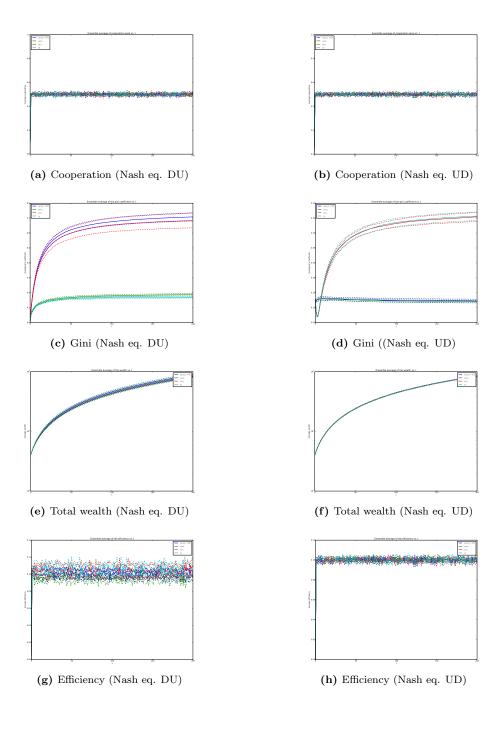
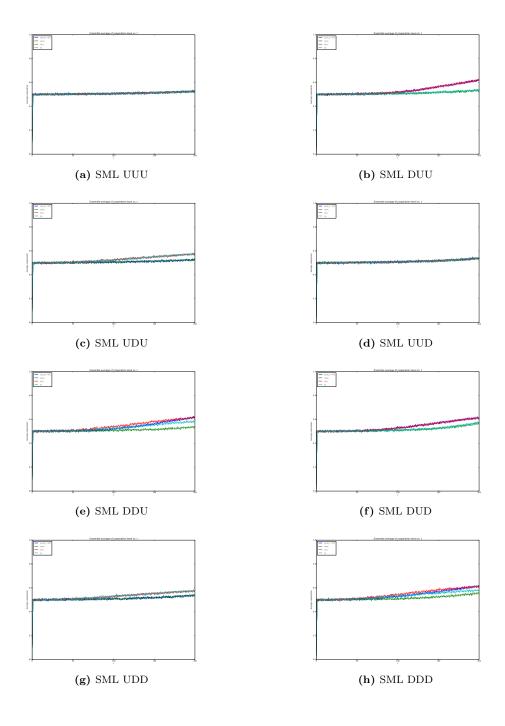
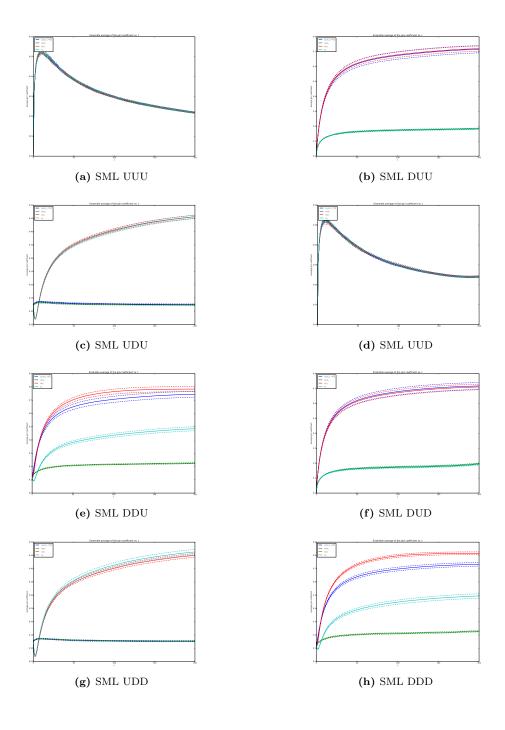


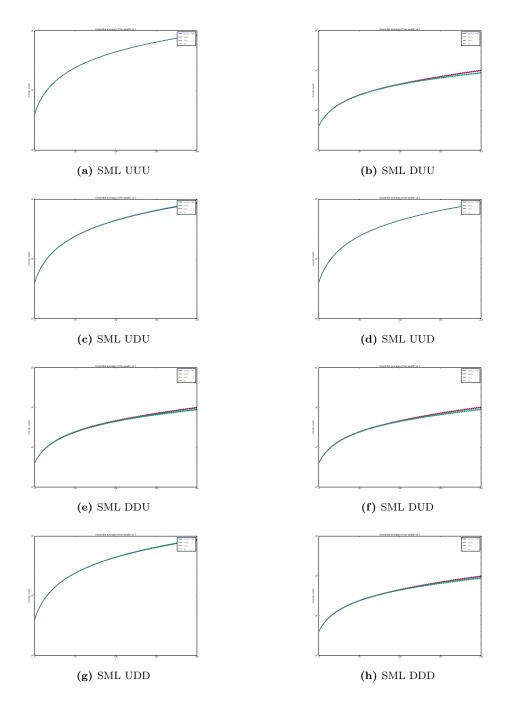
Figure 2: Comparison of Nash eq. simulations for uniformly distributed investment talent and Gaussian distributed investment cap (UD) and Gaussian distributed investment talent and uniformly distributed investment cap (DU). Number of agents N=400, size of ensemble NE=5, simulation duration T=200, beta  $\beta=0.05$ .



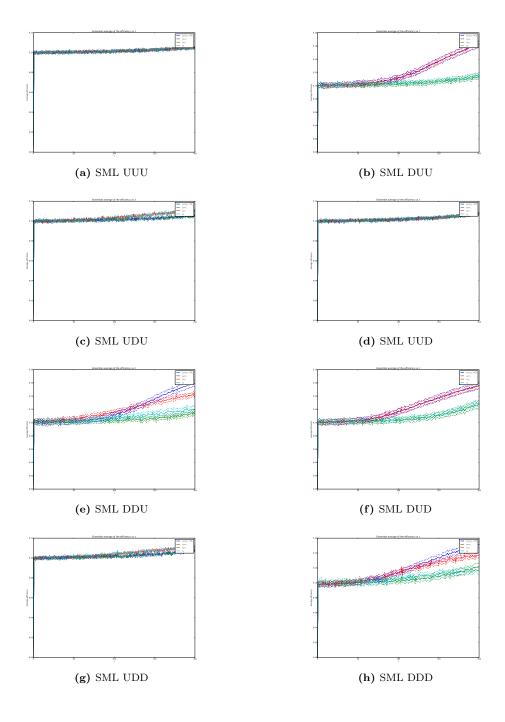
**Figure 3:** Comparison of Simple Memory Learning (SML) schema cooperation for different distribution (code: Invest.Talent - Invest.Cap - Learning Talent): U - uniform, D - Gaussian. Number of agents N=400, size of ensemble NE=25, simulation duration T=200, beta  $\beta=0.05$ .



**Figure 4:** Comparison of Simple Memory Learning (SML) schema gini for different distribution (code: Invest.Talent - Invest.Cap - Learning Talent): U - uniform, D - Gaussian. Number of agents N=400, size of ensemble NE=25, simulation duration T=200, beta  $\beta=0.05$ .



**Figure 5:** Comparison of Simple Memory Learning (SML) schema wealth for different distribution (code: Invest.Talent - Invest.Cap - Learning Talent): U - uniform, D - Gaussian. Number of agents N=400, size of ensemble NE=25, simulation duration T=200, beta  $\beta=0.05$ .



**Figure 6:** Comparison of Simple Memory Learning (SML) schema efficiency for different distribution (code: Invest.Talent - Invest.Cap - Learning Talent): U - uniform, D - Gaussian. Number of agents N=400, size of ensemble NE=25, simulation duration T=200, beta  $\beta=0.05$ .