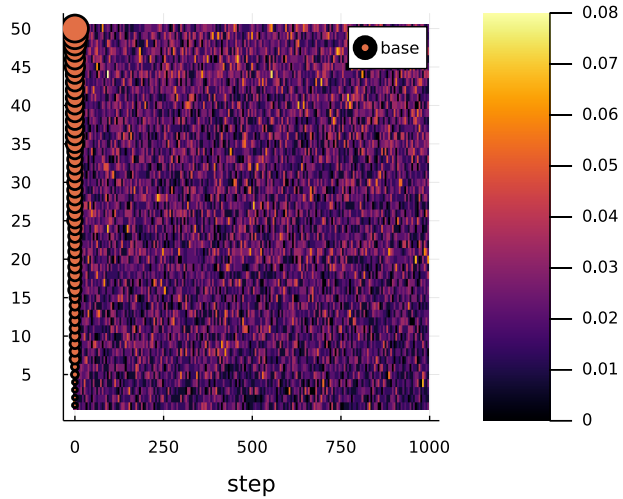
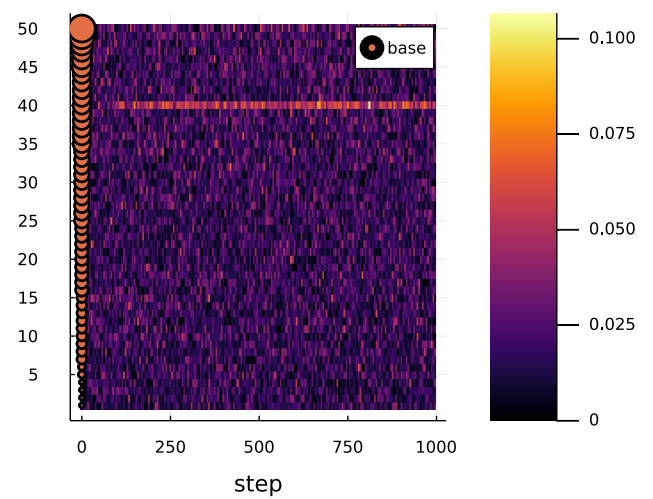


1. Diversity in learning rate

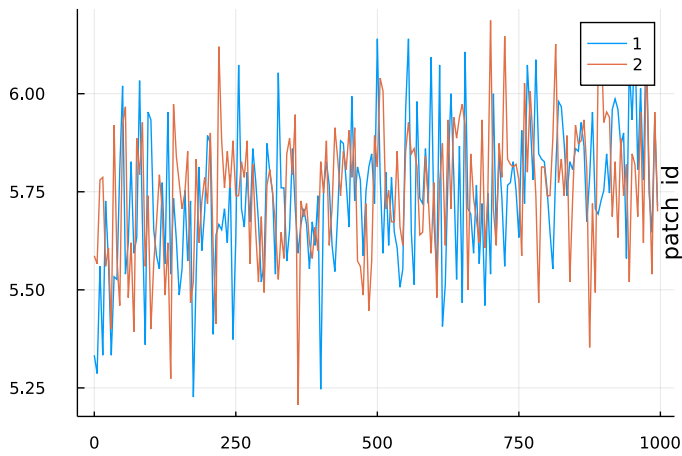
group 1 patch choice



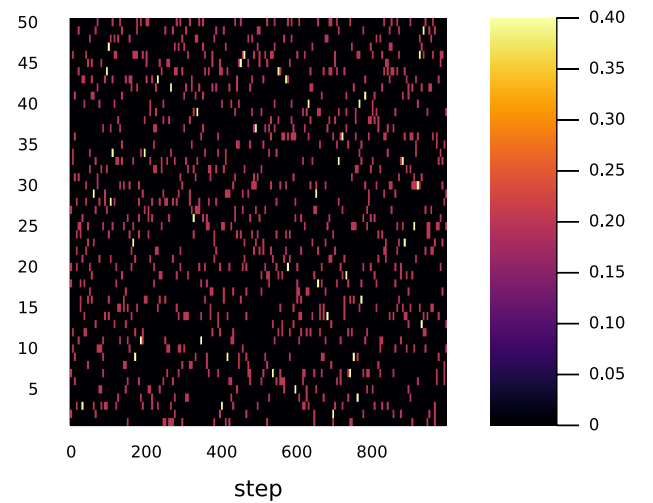
group 2 patch choice



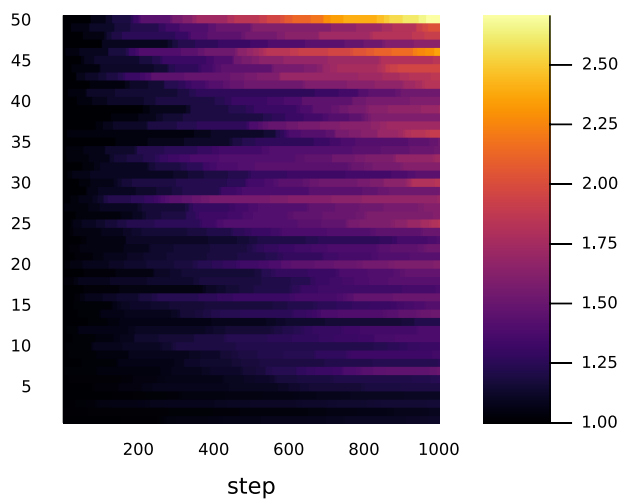
mean reward



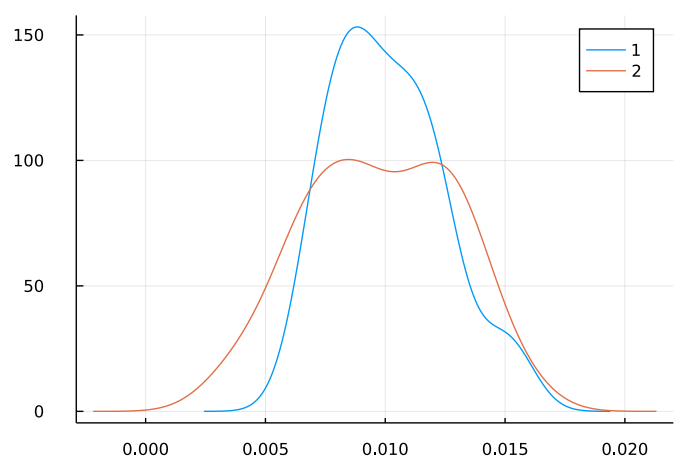
forager 51 patch choice
 $\alpha=0.008$, $\beta=0.697$, $\rho=0.913$



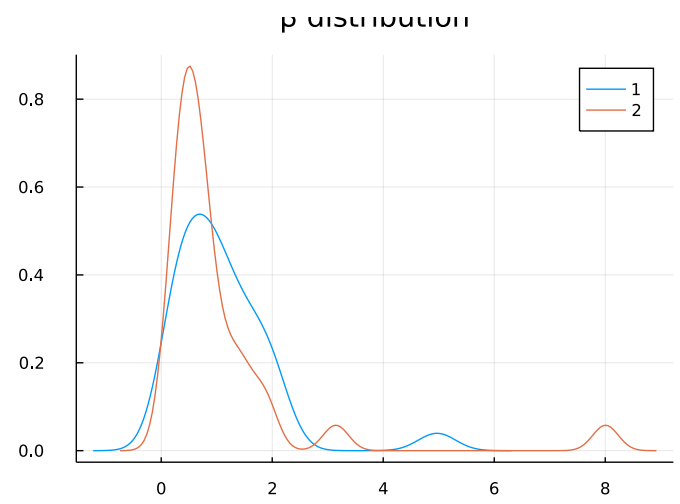
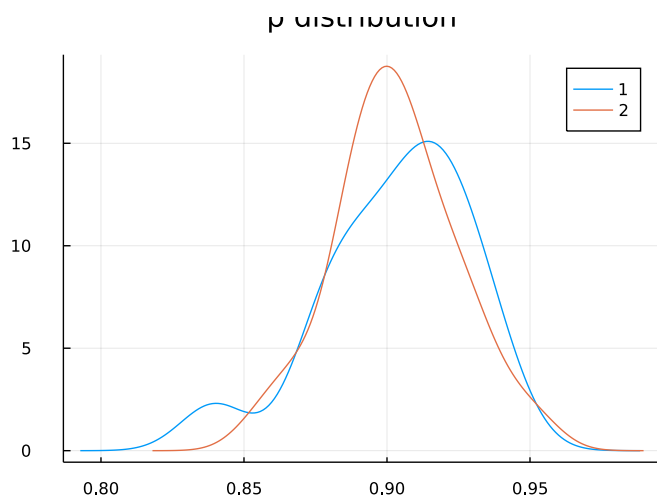
forager 51 Q



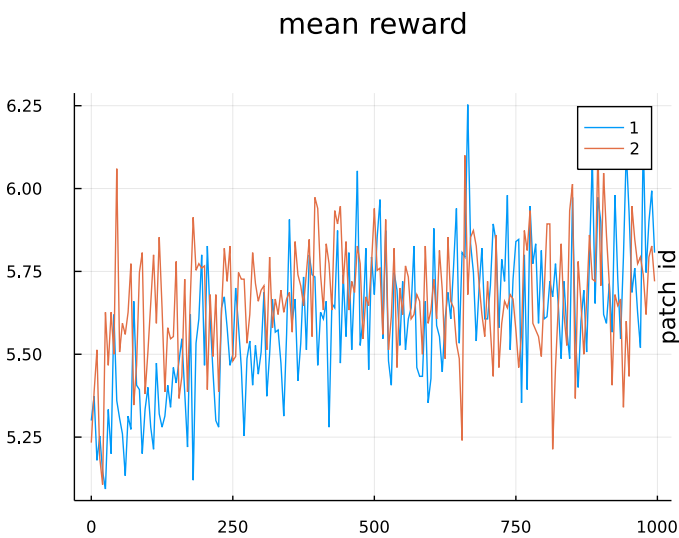
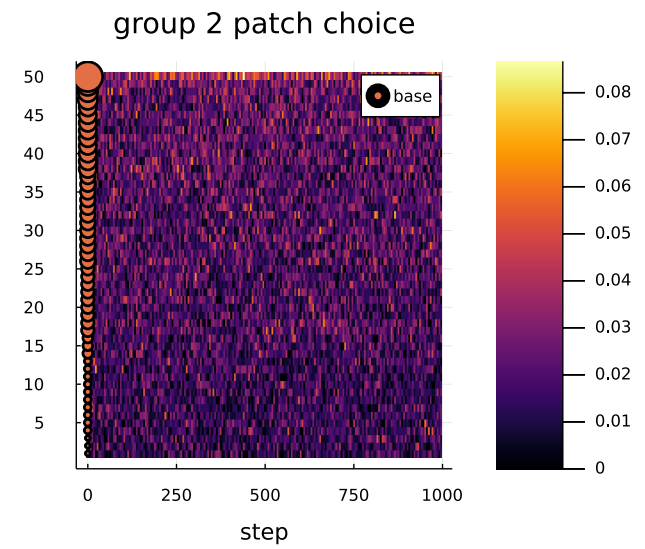
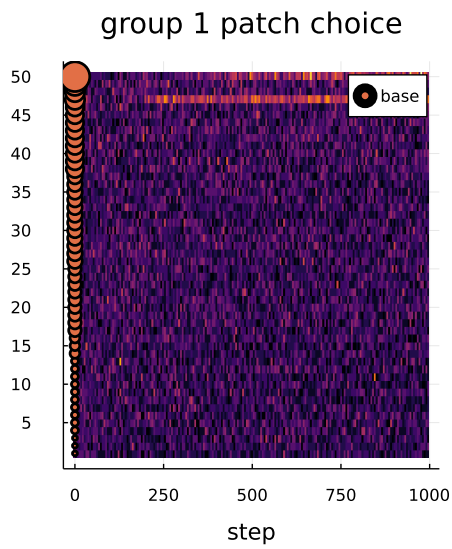
α distribution



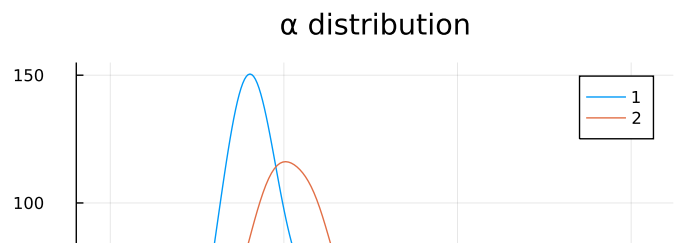
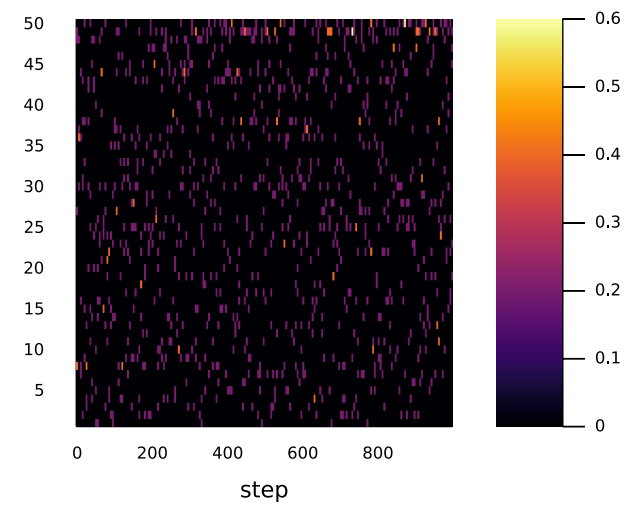
β distribution

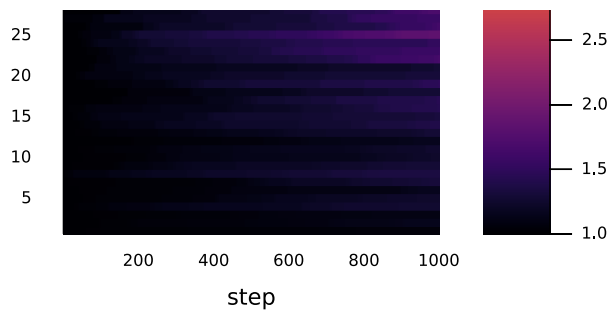


2. Group 2 enabled in-group communication about the quality of patches

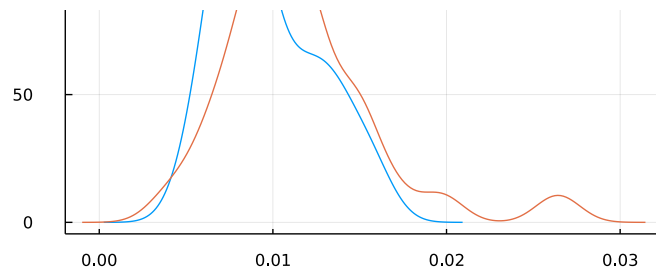


forager 51 patch choice
 $\alpha=0.008$, $\beta=2.783$, $\rho=0.937$

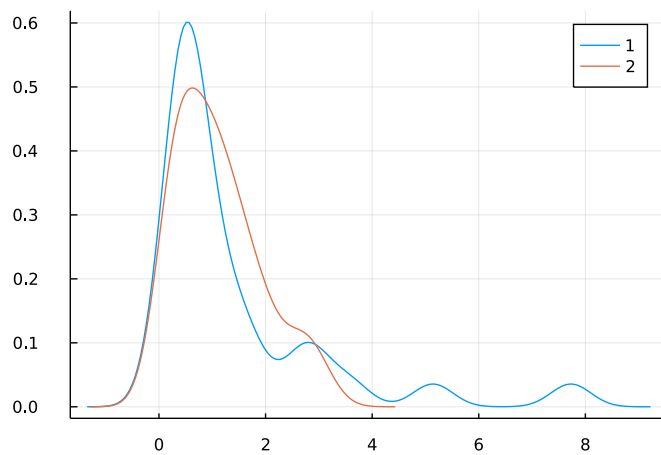
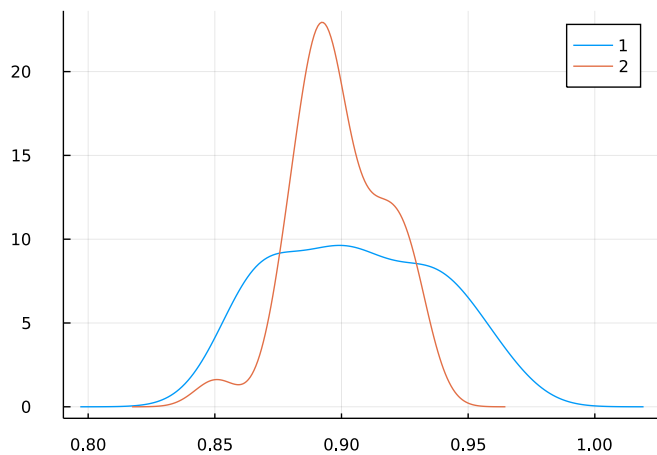




ρ distribution

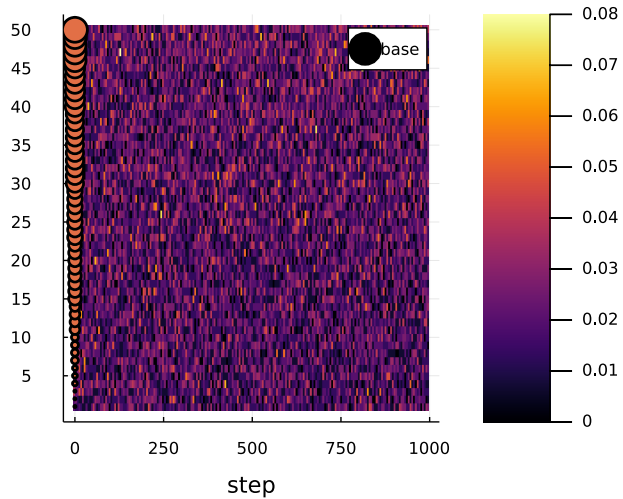


β distribution

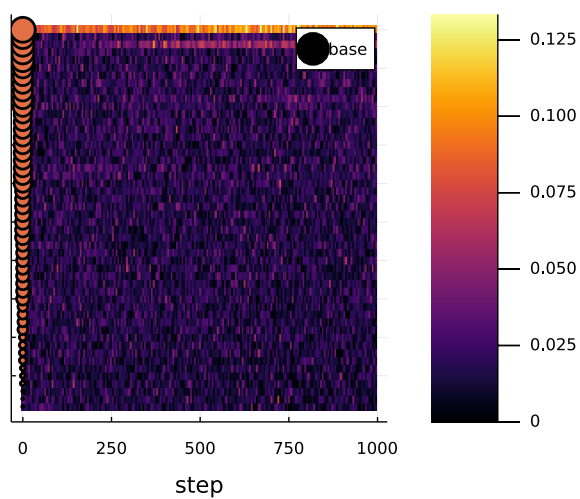


3. Diversity in softmax temperature

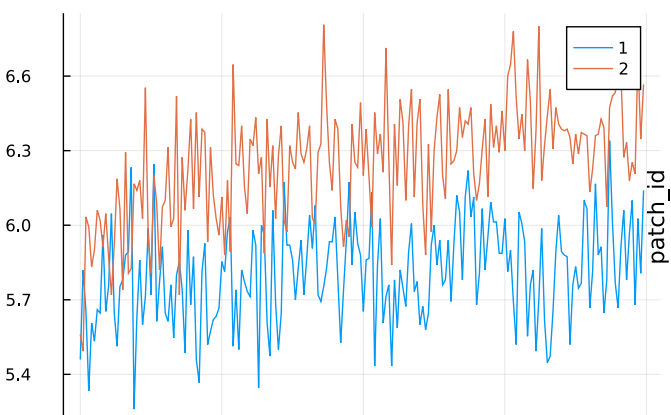
group 1 patch choice



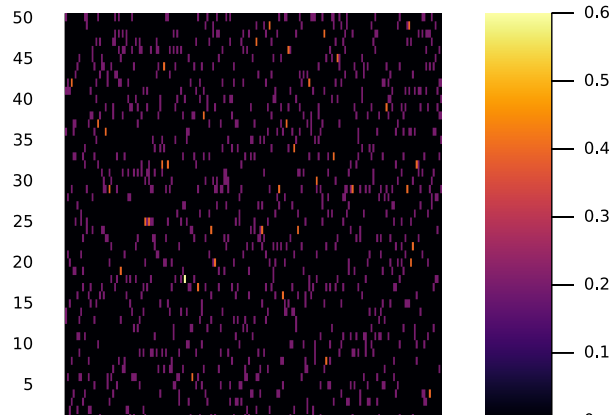
group 2 patch choice

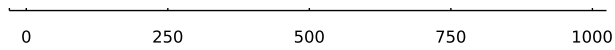


mean reward

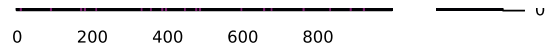
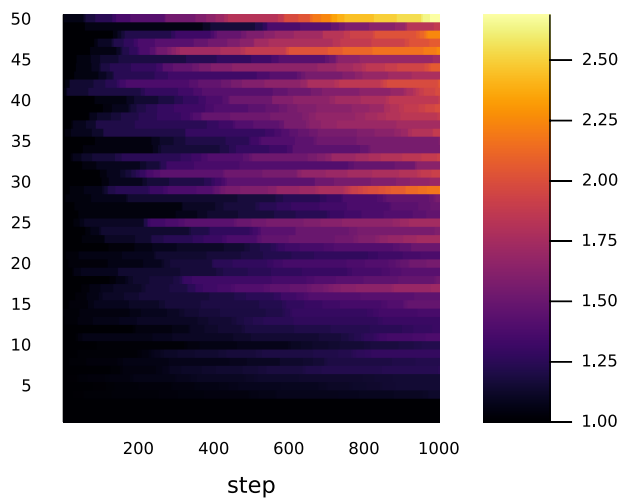


forager 51 patch choice
 $\alpha=0.008$, $\beta=0.511$, $\rho=0.923$



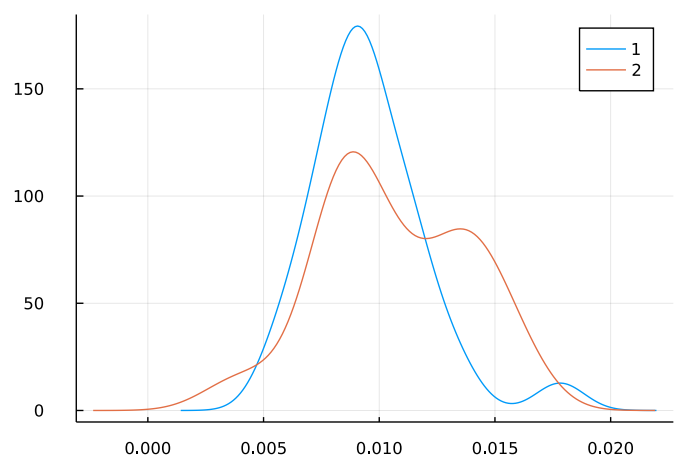


forager 51 Q

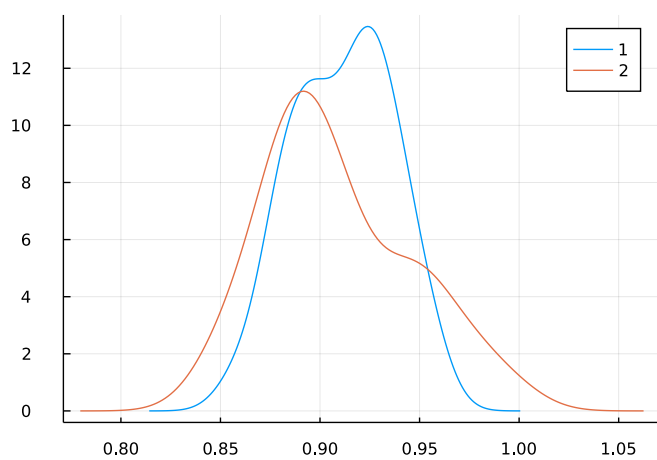


step

α distribution



ρ distribution



β distribution

