

Cognitive Science Plots

Group 6

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Below, the results are plotted. In figure 1 we have plotted the frequency of the strategies, over the 100 trials. As we can see, the zero order starts off as the only strategy used, after which it is used in combination with first order. Then, after a while, it learns and second order gets the most used strategy. There is still some noise from zero and first order, though.

In figure 2 we plotted the utility values over time. The zero order utility starts of very high, but steeply decreases, after which the first order also decreases. When both first and zero order cross the second order utility, second order starts to increase to 20. This is also the moment when the model starts to give second order answers.

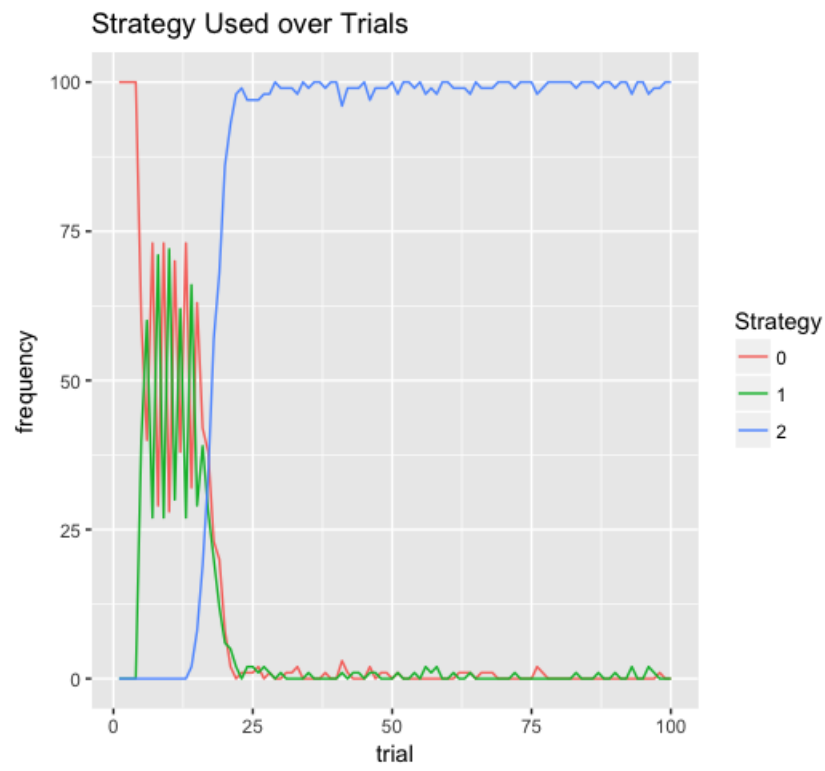


Figure 1: Plots the frequency of the strategies against the trials

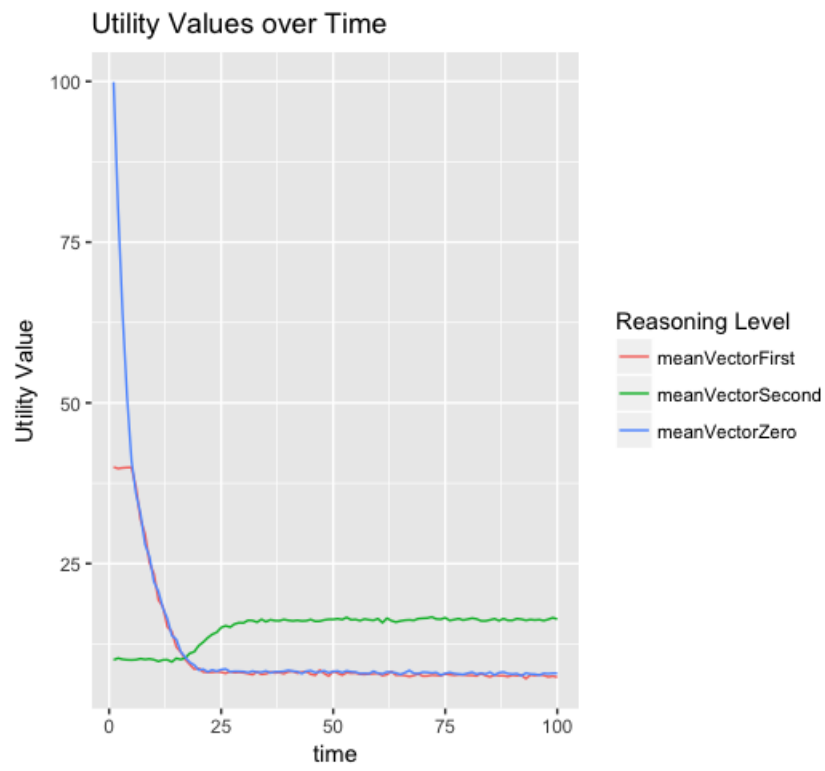


Figure 2: Plots the utility values against time

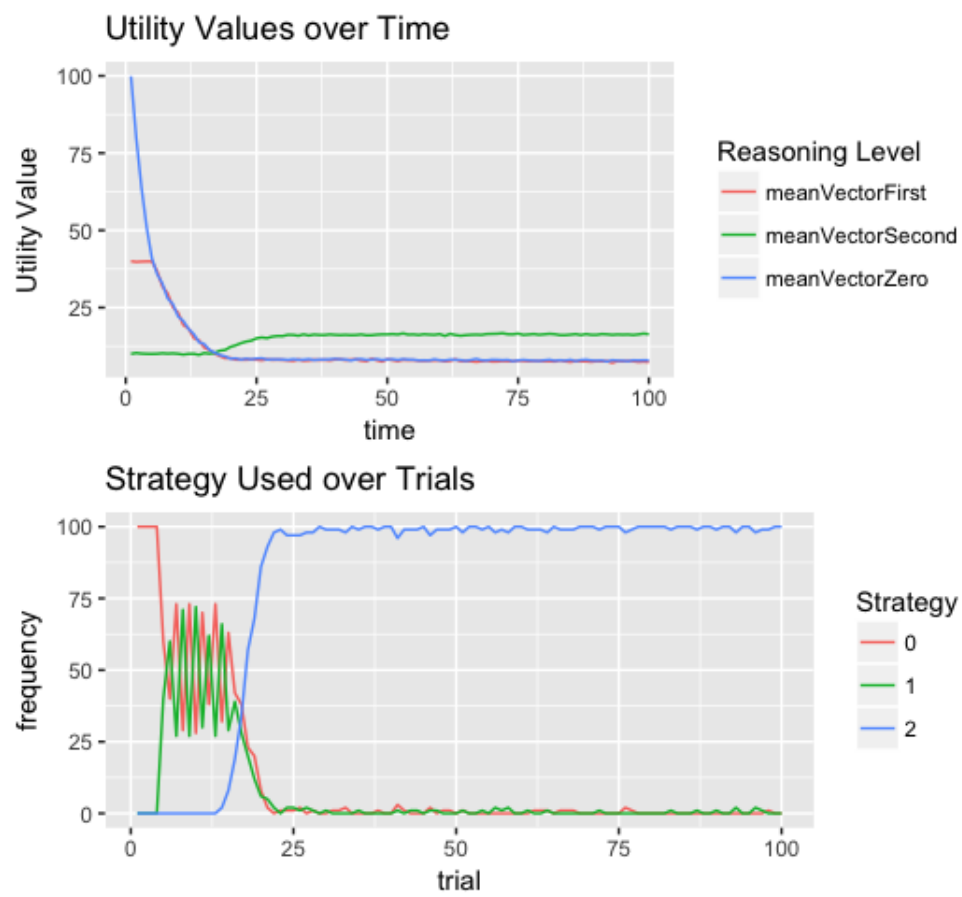


Figure 3: Both plots in one