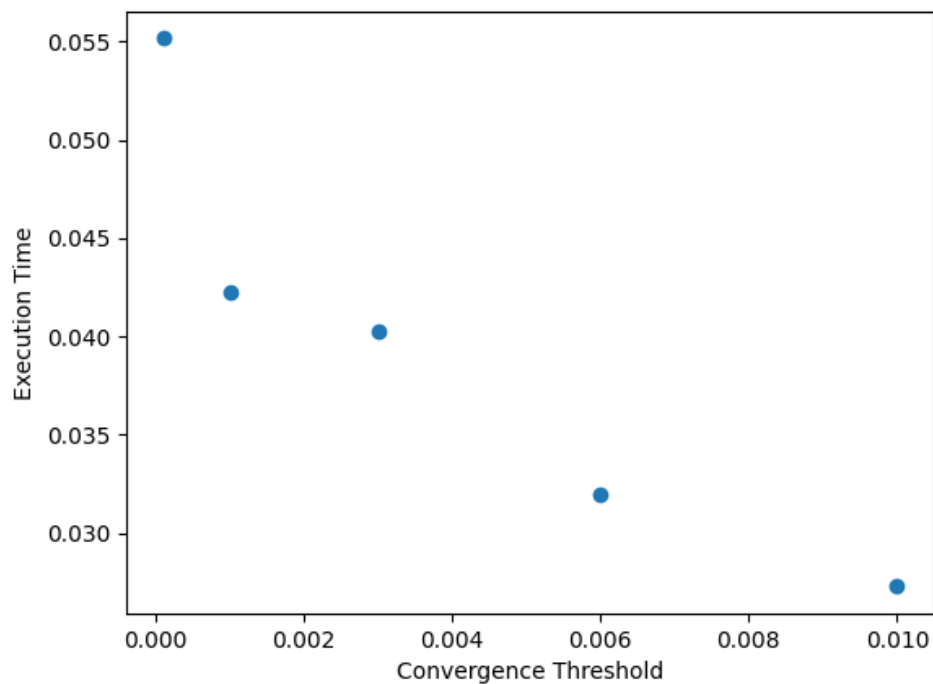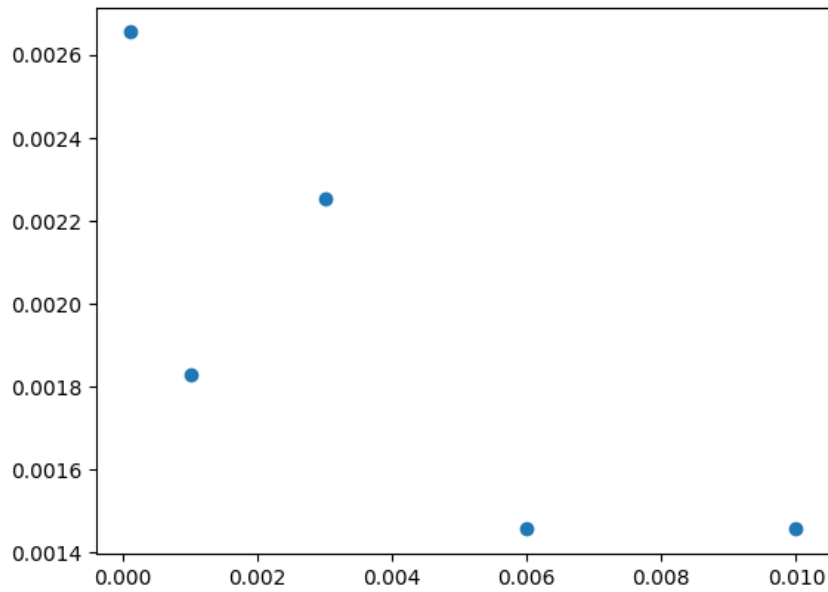Policy Iteration vs Value Iteration execution time. As shown here, Value Iteration runs much quicker than Policy Iteration.

Policy Iteration Convergence Threshold timing. Policy Iteration here updates the v table many times approaching a small convergence threshold, so increasing the convergence threshold decreases execution time.

Value Iteration Convergence Threshold timing. As Value Iteration converges after only a couple of v table updates, the values shown here are simply fluctuations and the execution time can be considered generally the same.