

This folder contains the files for analyses on the lab games. All routines use AALabData.mat, which contains the lab games, their associated feature vectors, and the observed play.

****Main Routines: Find Prediction Accuracies Using Different Models****

1. basic.m: runs Uniform Nash, level-1, PCHM. This calls CH.m and CHfixedtau.m as subroutines (for running PCHM).
2. DTbag.m: runs bagged decision trees
3. lev1alpha.m: runs level-1(alpha)
4. otherML.m: runs 2-layer neural net
5. lev1_ParetoNE.m: runs the hybrid model

****Compute Alternative Ideal Benchmarks****

In the Appendix, we report a “bootstrapped” benchmark and a “table lookup” benchmark as alternatives to the ideal benchmark (of perfect accuracy) reported in the main text. The routines bootstrap_ideal.m and tableLookup_ideal.m compute these benchmarks.

****Figure F4****

The routine modelassignment.m returns details used in Figure F4.