MDPMF Technical Note

The Estimation Engine: MDPIRTModel

Input

The estimation engine takes performance data in the form of ActionSequences, one or more MDP models to fit to the data, and a parameter list that specifies how (and if) various model parameters will be estimated. The data is assumed to be in the form of a vector of vectors of performance records organized by person and then by task. Thus the performance data vector <vector<ActionSequence \*> \*> prData would have the first person’s performance on task 1 at prData→at(0)→at(0) and the first person’s performance on task 2 at prData→at(0)→at(1). For missing performances a NULL pointer is insterted at the appropriate spot.