User: "Move a yellow can from the kitchen to the office." Semantic Parser Language Grounder **Clarification Dialog** action: relocate Map-based Q1 - clarify goal. source kitchen source room 2 (1) "To where should I move goal office room 1 (.33), room 4 (.33), room 5 (.33) goal· something from room 2?" patient: yellow & can **Concept Model-based Q2** - improve *yellow* model. "Would you use the word yellow when describing this object?" If Q2: re-train *yellow* model given new user annotation and update If Q1: re-run semantic parser on new user goal phrase. patient confidences.