Robot grocery shopping (in partially observable settings)

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Outline

- 1. Background on POMDPs
- 2. Grocery shopping as planning in a POMDP
- 3. Results!

Partially observable Markov decision process (POMDPs)

background on POMDPs

Partially observable Markov decision process (POMDPs)

the planner we used

Grocery shopping

the task in the POMDP framework

Results

the task in the POMDP framework

Play with it!



github.com/dustinvtran/bayesrl