Imitation-learning-project

Tasks for this week

- [ ] Continue reading
- [ ] Go through the LBC code base
- [ ] Identify potential schemes for combination

General Outline

The project aims to solve/build a single research idea by balancing its theory with empirical evaluation. We hope to begin by gaining intuition about the problem and addressing it on a simple toy task. The method can then be extended to non-trivial robot control tasks in order to compare its efficacy with baseline algorithms.

A longer list of papers is available here.

Distribution of Tasks

As discussed, we can all pick one algorithm to implement and improve on a small task. In case our improvements work, we will apply these on new tasks and finalise results. Upon completion we will package our code base and distribute duties for report and presentation.

Task	Karush	Reza	Mohammad
XYZ	✓	-	-
XYZ	-	✓	-
XYZ	-	-	✓

Tentative Schedule

Week	Task	Description	Completed
1	Literature Review	Brainstorm Ideas and jot down good ones	✓
2	Literature Review	Brainstorm Ideas, Meet with prof	✓
3	Formulate Problem	Setup the problem with potential solutions	✓
4	Implement Toy Problem	Solve base case and gain intuition	-
5	Implement Toy Problem	Complete base case solution and interpret results	-
6	Implement Algorithm	Solve main problem	-
7	Implement Algorithm	Solve main problem	-
9	Accumulate Results	Interpret and finalize results	-
10	Write Report	Draft and finalize report	-

Week	Task	Description	Completed
11	Wrap Project	Package code base and wrap ppt	-