

WEEKLY RESEARCH PROGRESS REPORT: 40

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1 QUOTE OF LAST WEEK'S PLAN

- No plan is submitted in the last week's report.

2 PLANNED ACCOMPLISHMENTS

- No plan is submitted in the last week's report.

3 OTHER ACCOMPLISHMENTS

- book: an introduction to SL with application in R, chapter 1,2,3
- paper: Multi-armed Bandit Problems with Dependent Arms
- CS234 Lecture 1,2 review

4 ISSUES AND PROBLEM TO SOLVE

- Bandit problem survey. After watching this week's lecture video about the bandit problem, I urge do a minimal survey on the this classic topic to gain an general idea of this field and its relationship with RL. The plan is to first read the material mentioned in the lecturn slides and finish the question 7 and 8 of hw2 as a minimal project (read some papers and then summarize them to get the answer.)

5 NEXT WEEK'S PLAN

- Bandit Algorithms: Part II
- Introduction to Multi-Armed Bandits: scan and overview, then focus on the course related parts
- an introduction to SL with application in R, chapter 4
- Start do survey on the problem 7 and 8 of hw2

REFERENCES