

Evaluation 4

1 QUESTIONS

1. Which assumption about the state space is at the heart of this paper ?
2. The MFMC is an estimator. What does MFMC stand for? What does MFMC estimates ?
3. The MFMC is a random variable. Where do uncertainties come from?
4. A theoretical analysis of the MFMC is proposed. Under which assumptions regarding (i) the system dynamics, (ii) the reward function and (iii) the policy to be evaluated is this analysis performed?
5. Explain the two main theoretical results obtained for the MFMC estimator.
6. In a second part, the paper proposes an algorithm called "CGRL". Which additional assumptions does the CGRL algorithm needs to be implemented?
7. The CGRL algorithm is applied on the "Puddle World" benchmark in which it is compared with the FQI algorithm. What situation makes the CGRL perform better than FQI?