

WIDS report

Week 0:

- Learnt what the course is about, i.e. learnt what reinforcement learning means.
- Learnt Python language from scratch, upon which the project files had to coded.
- Learnt about Python libraries :
 - numpy
 - matplotlib
 - pandas

Week 1:

- Learnt basic terminology like agent, environment, actions.
- Learnt the concepts of bandit, and logic of algorithms to optimise outputs of multi-bandit problems.
- Used python to implement the algorithms and compare that which algorithms lead to better results.

Week 2:

- Learnt about modelling of basic environments.
- Learnt about Markov Decision Process(MDP) and its basic working.
- Coded some basic models of MDPs.

Week 3:

- Solved the Gambler's problem using Python language.