

Annotated Bibliography

Goal Selection Strategies for Learning Goal-Oriented Value Functions

Prepared by Mamello Seboholi

Printed on April 7, 2022

References

[Benureau and Oudeyer 2015] Fabien Benureau and Pierre-Yves Oudeyer. Diversity-driven selection of exploration strategies in multi-armed bandits. In *2015 Joint IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob)*, pages 135–142. IEEE, 2015.

Aim:

Style/Type: textbook, theoretical

Cross references:

Summary:

[Nangue Tasse *et al.* 2020] Geraud Nangue Tasse, Steven James, and Benjamin Rosman. A boolean task algebra for reinforcement learning. *Advances in Neural Information Processing Systems*, 33:9497–9507, 2020.

Aim: To present Reinforcement Learning tasks as Boolean algebra, allowing the formulation of new tasks by logical operations (not, or, and) which reduces the domain an agent needs to learn.

Style/Type: textbook, theoretical

Cross references:

Summary:

[Papagiannis and Moschogiannis 2019] Georgios Papagiannis and Sotiris Moschogiannis. Learning to control random boolean networks: A deep reinforcement learning approach. In *International Conference on Complex Networks and Their Applications*, pages 721–734. Springer, 2019.

Aim:

Style/Type: textbook, theoretical

Cross references:

Summary:

[Shi *et al.* 2018] Haobin Shi, Zhiqiang Lin, Kao-Shing Hwang, Shike Yang, and Jialin Chen. An adaptive strategy selection method with reinforcement learning for robotic soccer games. *IEEE Access*, 6:8376–8386, 2018.

Aim:

Style/Type: textbook, theoretical

Cross references:

Summary:

[Sutton and Barto 2018] Richard S Sutton and Andrew G Barto. *Reinforcement learning: An introduction*. MIT press, 2018.

Aim:

Style/Type: textbook, theoretical

Cross references:

Summary: