

facebook

Artificial Intelligence Research

Conclusion

Alessandro Lazaric

Facebook AI Research

Things We Have Not Discussed

- Exploration-exploitation dilemma
- Off-policy learning
- Imitation / apprenticeship learning
- Constrained RL
- Multi-agent RL
- ...

RL Today

- 👍 Impressive results in simulation
- 👍 Leveraging state-of-the-art deep learning techniques
- 👍 Discovering more and more problems that benefit from RL (e.g., energy management)
- 👍 Integration in multi-modal learning
- 👎 Sample inefficient
- 👎 Difficult to deploy
- 👎 Does not consider real-world constraints



Thank you!

facebook

Artificial Intelligence Research



. \ |