

The FUTURE!

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Oralytics



- Panel discussion about the future (20 mins)
- Open challenges
- Questions from the audience

Open Challenges

- How to robustly use an inductive bias?
 - To warm start the optimization
 - To assist in learning when the reward is distal
- How to use ideas from causal inference to speed up learning?
 - Mediation?

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Using Inductive Biases

Open Challenges

- How to manage non-stationarity yet still learn in a low signal/high noise setting?
- How to trade bias with variance in multi-task RL?
- How to use high dimensional state?
- How to ensure interpretability?

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Low signal/high noise

Bias vs Variance