

The FUTURE!

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HeartSteps



ADAPTS



SARA





Oralytics



Sense²STOP



IDOL



d³c
optimizing adaptive
interventions, by design

- Panel discussion about the future (20 mins)
 - Susan moderates
 - Big 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?

2

Open Challenges

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

3