![MIT Professional Education - Short Programs]

Machine Learning for Healthcare

June 24-25, 2019

All sessions taught by [Prof. David Sontag](#) except where noted

Day 1	
8:30 am - 10:00 am	Introduction: What makes Healthcare unique?
10:00 am - 10:15 am	Break
10:15 am - Noon	Case Studies in Risk Stratification
Noon - 1:00 pm	Lunch
1:00 pm - 3:00 pm	Lab Work
3:00 pm - 3:15 pm	Break
3:15 pm - 5:30 pm	Clinical text, Physiological time-series, and imaging
Day 2:	
8:30 am – 10:15 am	Deploying Machine Learning in Healthcare Settings ([Steve Horng](#), *Beth Israel Deaconess Medical Center*)
10:15 am - 10:30 am	Break
10:30 am - Noon	Predicting the Outcome of Interventions: Causal Inference from Observational Data
Noon - 1:00 pm	Lunch
1:00 pm - 3:00 pm	Lab Work
3:00 pm - 3:15 pm	Break
3:15 pm – 5:00 pm	Disease progression modeling
5:00 pm - 5:30 pm	Conclusion: Where to Next?