



The University of Texas
Health Science Center at Houston

School of Biomedical
Informatics

DSICCR Tuesday Seminar Series

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LibAUC: A deep learning library for X-risk Optimization

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In this talk, I will present our recent research efforts of developing a deep learning library called LibAUC, which is applicable for solving a variety of compositional measures. I will first present some background about optimization for machine learning and then introduce you a broad family of compositional measures/objectives called X-risk. Then I will focus on optimizing three measures, AUROC, AUPRC, and NDCG by talking about our theoretical research for designing algorithms and improving complexities, and our applied research for winning medical AI challenges.

Tuesday, September 20th, 2022. 12p – 1p. [Webcast](#)

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