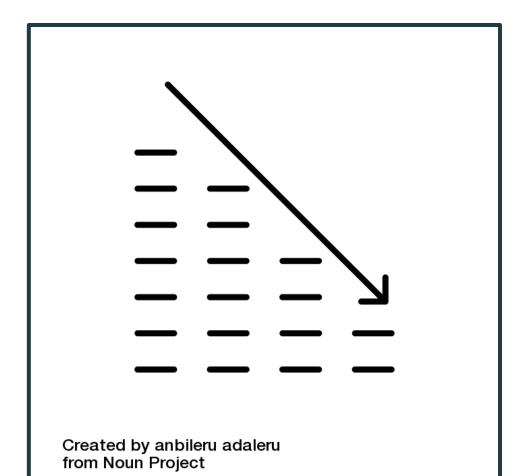
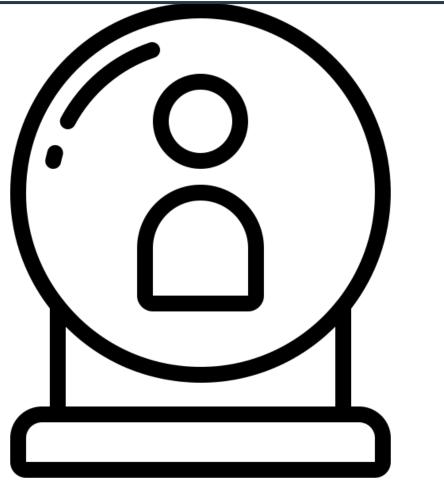
Dynamic LACE for Preventing Hospital 30-day Readmissions

Justine Nguyen, Xiao Wang, Dan Yaeger



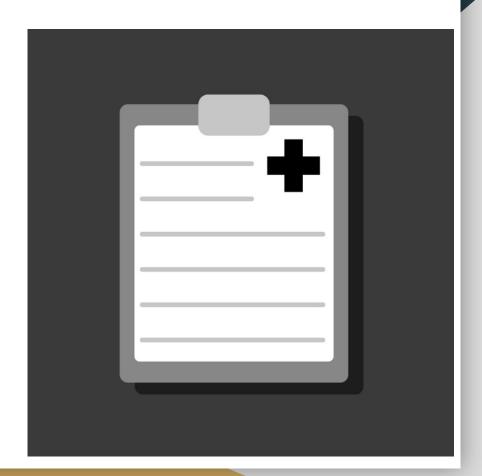
http://pie.med.utoronto.ca/PatientTeaching/



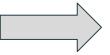


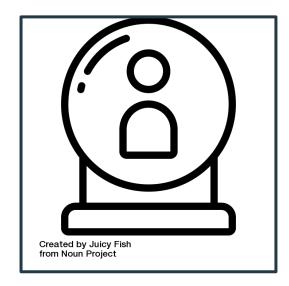
Created by Juicy Fish from Noun Project

- L length of stay
- A admission source
- **C** comorbidity
- **E -** ER, number of visits



LACE score

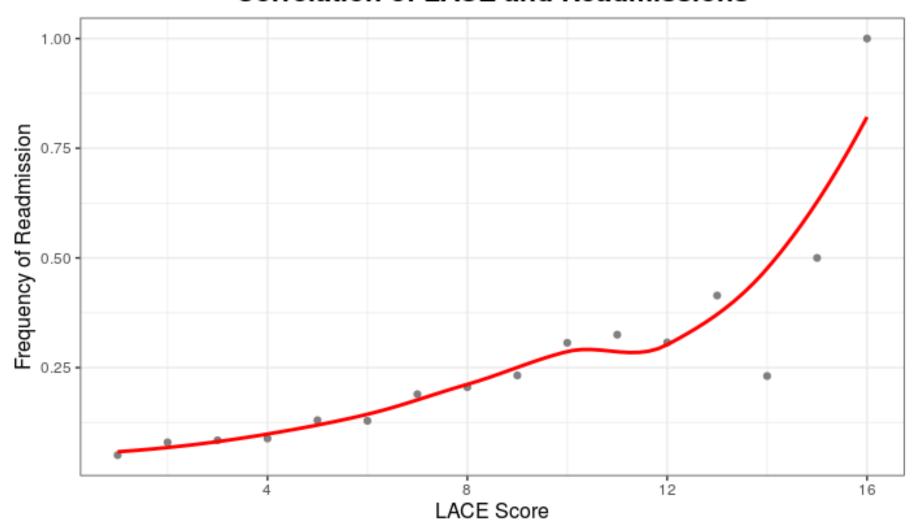






Readmission

Correlation of LACE and Readmissions



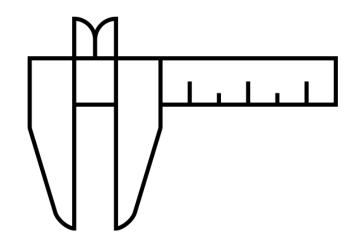


LACE Score: 10



LACE Score: 11

Maximizing benefit and minimizing cost



Created by Bakunetsu Kaito from Noun Project

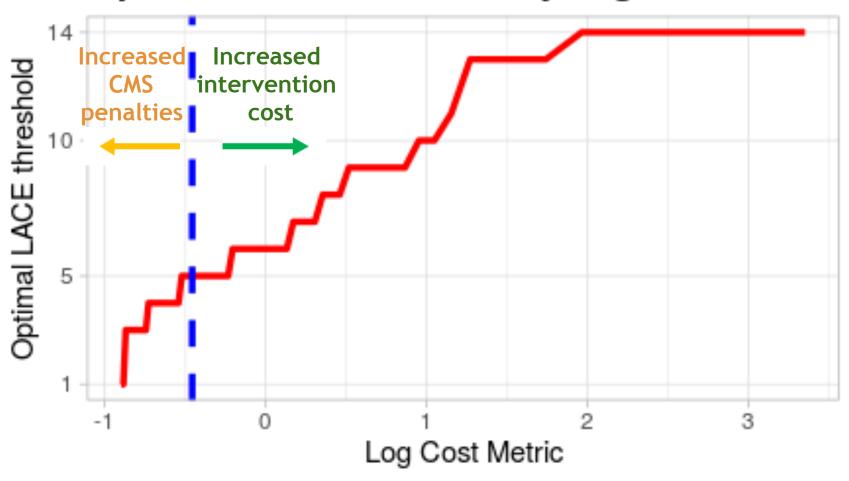
Cost Metric

Cost of intervention Cost of readmission

Small when cost of readmission high

Large when cost of intervention high

Optimal LACE Threshold by Log Cost Metric



$V_{\text{alue}} > -\$$ (cost)