Session 4: From Data to Information in Healthcare  2:45 p.m. - 4:15 p.m.

Topic: Artificial Intelligence in Healthcare? Evidence from online job postings

Speaker: Avi Goldfarb, University of Toronto with Bledi Taska, and Florenta Teodoridis

Time: 3:45pm-4:15pm

Abstract: This paper documents a puzzle. Despite the numerous popular press discussions of artificial intelligence (AI) in healthcare, there has been relatively little adoption. Using data from Burning Glass Technologies on millions of online job postings, we find that AI adoption in healthcare remains substantially lower than in most other industries, and that under 3% of the hospitals in our data posted any jobs requiring AI skills from 2015-2018. The low adoption rates mean any statistical analysis is limited. Nevertheless, the adoption we do observe shows that larger hospitals, larger counties, and integrated salary model hospitals are more likely to adopt.