DALHOUSIE UNIVERSITY | **DEPARTMENT OF MATHEMATICS AND STATISTICS**

Date:	November 3, 2022
Time:	11:30am-12:30pm
Presenter:	Daphna Harel (NYU Steinhardt)
Title:	Using optimal test assembly to shorten patient reported outcome measures: A case study of the PHQ-9
Abstract:	Patient-reported outcome measures are widely used to assess respondent experiences, well-being, and treatment response in clinical trials and cohort-based observational studies in both medicine and psychological studies. However, respondents may be asked to respond to many different scales in order to provide researchers and clinicians with a wide array of information regarding their experiences. Therefore, collecting such long and cumbersome patient reported outcome measures may burden respondents and increase research costs. However, little research has been conducted on optimal, replicable, and reproducible methods to shorten these instruments. In this talk, I propose the use of mixed integer programming through Optimal Test Assembly as a method to shorten patient-reported outcome measures. I will describe this through a case study of the Patient Health Questionnaire – 9.

How to connect?	Zoom
Meeting ID	814 8148 5265
Passcode	977292

Statistics Seminar Series (2022-2023)

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