הטכניון
מכון טכנולוגי
לישראל

הפקולטה
למתמטיקה

The Faculty of Mathematics
Invites you to the

Pizza seminar

Time &

Wednesday, July 31, 13:30
8th floor lounge, Amado bldg

Title

Sample Compression and Topological Radon Theorem

Speaker

Bogdan Chornomaz (Technion)

Abstract

If asked, what mathematical tools are mostly used in machine learning, one would probably name statistics, probability, or combinatorics. So it is especially pleasing when some other tools, considered rather exotic in this area, find natural applications to ML problems. In this talk, I will speak about an application of (a variant of) topological Radon theorem to an old open problem in theoretical machine learning regarding the existence of the so-called sample compression schemes.

The talk is based on the joint work with Zachary Chase, Steve Hanneke, Shay Moran, and Amir Yehudayoff.