



THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Machine Learning and Statistics Seminar

,Ziskind Building
on Wednesday, Apr 06, 2016
at 11:15

Room 155

Moshe Koppel
Bar Ilan University

Reconstructing Ancient Documents from Noisy Manuscripts

Abstract:

Given multiple corrupted versions of the same text, as is common with ancient manuscripts, we wish to reconstruct the original text from which the extant corrupted versions were copied (possibly via latent intermediary versions). This is a challenge of cardinal importance in the humanities. We use a variant of EM to solve this problem and demonstrate the efficacy of the method on both synthetic and real-world data.