RUIYI YANG  
Computational and Applied Mathematics  
The University of Chicago

Graph-based Learning  
TUESDAY, October 29, 2019, at 4:00 PM  
Cobb 104, 5811 S. Ellis Avenue

ABSTRACT

In machine learning and data science, one often encounters high dimensional data with low dimensional structure. A common assumption is that the data comes from a low-dimensional manifold and similarity graphs can be used to uncover the underlying geometry. In this talk, I will cover the basics of graph-based classification methods and introduce an extension of the usual manifold model.