

Statistics Seminar
Department of Mathematical Sciences

DATE:	Thursday, September 23, 2021
TIME:	1:15pm - 2:15pm
LOCATION:	Zoom meeting
SPEAKER:	Shaofei Zhao, Binghamton University
TITLE:	Feature selection on tensor response data

Abstract

We have seen several feature selection approaches for ultrahigh dimensional data recently. However, most of the approaches are applicable for $n \times 1$, or at most $n \times q$ response variables. If we encounter a more complex data structure when the response is tensor-shaped, e.g. human facial shape, multi-omics gene data, Electroencephalography (EEG), or functional magnetic resonance imaging (fMRI), current feature selection approaches will have difficulty to handle the data. We propose a simple yet useful feature selection method that can be applied to tensor response data, and show the selection consistency of our method.

From:

<https://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics, Binghamton University**

Permanent link:

<https://www2.math.binghamton.edu/p/seminars/stat/210923>

Last update: **2021/09/14 21:05**

