Speaker: NHAT HO

Key words: IDENTIFIABILITY AND CONVERGENCE RATE

Short abstract: This talk studies the strong identifiability and convergence behavior of mixing measures in terms of Wasserstein distance under comprehensive settings of finite mixture models (i.e. including the covariance matrix). Strong identifiable notion is shown to satisfy by many classes of density functions, ranging from location-covariance classes to location-scale-shape-covariance classes. Convergence rates of mixing measures are established for a wide range of families of density functions and a simple simulation is carried out to illustrate the convergence rate.