

**Indiana University-Purdue University
Indianapolis**
Department of Mathematical Sciences

STATISTICS SEMINAR

12:15pm—1:15pm, Tuesday, March 08, 2022

Zoom Meeting: Meeting ID: 845 0989 4694

Speaker: Yuxin Dong

Department of Mathematical Sciences, IUPUI

Title: Berry-Essen's inequalities for the Frobenius norm and matrix spectral norm

Abstract:

In this talk, I'll present Berry-Essen's inequalities for the Frobenius norm and the matrix spectral norm. The results are based on the B-E inequalities for the delta method by Pinelis and Molzon (2016). I'll briefly discuss the proofs which rely on the perturbation theory of linear operators.