



THE UNIVERSITY OF
CHICAGO

Department of Statistics

DISSERTATION PROPOSAL

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Tensor Correlation Analysis: Computation and Inference

MONDAY, November 25, 2019, at 11:00 AM
Jones 303, 5747 S. Ellis Avenue

ABSTRACT

In this talk, I will begin the presentation with a brief introduction of Tensor Correlation Analysis (TCCA) and my contributions to TCCA. Next, I will outline my projects of eigen problems and stochastic gradient methods closely related to computing TCCA. Finally, I will discuss how to make inferences on TCCA. The main challenge lies in the non-convexity of this problem. I will propose a possible method to achieve this goal.