Tuoyi Zhao

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EDUCATION

University of Miami, Coral Gables, FL, U.S.A   Aug. 2020-Present

Major: Ph.D in Management Science; Miami Herbert Business School

University of California, San Diego (UCSD), La Jolla, CA, U.S.A   Sept. 2018-Mar. 2020

Major: M.A. in Statistics; Department of Mathematics

University of Science and Technology of China (USTC), Hefei, Anhui, P. R. China   Sept. 2014-Jul. 2018

Major: B.S. in Mathematics and Applied Mathematics; School of Mathematical Sciences

Awards: Outstanding Student Bronze Medal

RESEARCH EXPERIENCE

Department of Mathematics, University of California, San Diego, U.S.A.   Jan. 2019 -Mar. 2020

    Project 1: Research on Variable Selection in High Dimensional Statistical modeling

    Project 2: Research on Estimation of Precision Matrix in Gaussian Graphic Model with LLA, ISTA

Advisor: Wenxin Zhou (Department of Mathematics, UCSD)

School of Mathematical Sciences, USTC, Hefei, China   Jun. 2017 - Oct. 2017

    Undergraduate Student Research Project : Research on the existence of invariant measure of Stochastic Navier-Stokes Equations

Advisor: Jianliang Zhai (School of Mathematical Sciences, USTC)

WORK EXPERIENCE

Teaching Assistantships   **University of Science and Technology of China**

Weekly sections, office hours, and grading   **Sep. 2017 – Jun. 2018**

➢ Analytic Geometry (238 students): **Precalculus** and other topics for students in math department (precalculus, basic matrix algebra, Gaussian Elimination, Affine transformation) with Dr. Haozhao Li

➢ Linear Algebra (36 students): **Linear Algebra** for students in electrical and computer engineering department (Matrix Algebra, Gaussian Elimination, vector space, Determinants, Liner Transformations, Eigenvalues and Eigenvectors, Jordan normal form) with Dr. Shuqiang Zhu

SKILLS

Programming language: C/C++, python, R, SAS

Software: MATLAB, LaTeX