
HUBEYB GURDOGAN

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EDUCATION

- Florida State University, Tallahassee, Florida** *Dec 2021*
Ph.D., Financial Mathematics
Advisor: Alec Kercheval
Ph.D. candidacy exam paper: "Application of the Levy processes on credit risk models"
- Syracuse University, Syracuse, Newyork** *July 2016*
M.S., Mathematics
Passed the Ph.D. candidacy exams in Probability Theory and Homological Algebra
- Bilkent University, Ankara, Turkey** *July 2013*
M.S., Mathematics
Advisor: Mufit Sezer
M.S Thesis: "Extreme behavior of lex ideals on Betti numbers"
- Bilkent University, Ankara, Turkey** *May 2011*
B.S., Mathematics

RESEARCH INTEREST

- . Mathematical Finance, Portfolio Optimization
- . Probability Theory and Stochastic Processes
- . Application of Neural Networks in Mathematical Finance

PROFESSIONAL EXPERIENCE

- Florida State University** August 2016 - 2021
Graduate Teaching Assistant *Tallahassee, FL*
Solo instructor: 2 semesters of Calculus-I, 3 semesters of Pre-Calculus.
Acturial Science TA for 3 semesters.
- Syracuse University** 2014-2016
Graduate Teaching Assistant *Syracuse, Newyork*
Recitation Instructor of Discrete Mathematics, Calculus for Business.
- Bilkent University** 2011-2013
Graduate Teaching Assistant *Ankara, Turkey*

PUBLICATIONS

Published

- . "Extreme Behavior of Lex Ideals on Betti Numbers", Hubeyb Gurdogan, Master Thesis, Bilkent University, 2013
- . "A polynomial invariant for plane curve complements: Krammer polynomials", Mehmet Aktas, Serdar Cellat, Hubeyb Gurdogan, Journal of Singularities, volume 17, 58-69, 2018.

In preparation

- . "Multi Anchor Point Shrinkage for the Sample Covariance Matrix", (with Alec Kercheval).

PRESENTATIONS

Invited Talks

- “Multi-Anchor Point Shrinkage for Better Betas”, UC Berkeley, CDAR Risk Seminar , Berkeley, CA, (December 2020).
- “Multi-Anchor Point Shrinkage for the Covariance Matrix Estimation”, UC Santa Barbara, Department of Statistics Seminar, Santa Barbara, CA, (November 2021).

HONORS AND AWARDS

Distinguished TA award, Florida State University, Mathematics Department, 2020-2021

Fellowship from William A. Kerr Intercultural Education and Dialogue Initiative, 2016-2018

Graduate Student Fellowship, Syracuse University, 2013-2016

Travel grant, High-Frequency Trading Conference, Stevens Institute of Technology, 2016.

TUBITAK (The Scientific and Technological Research Council of Turkey) Education Scholarship, 2006-2013

Represented Turkey in the EU Contest for Young Scientists(EUCYS) with a project titled “Gaussian Integers”, 2006

First prize awarded in the Research Project Competition in Mathematics organized by TUBITAK (The Scientific and Technological Research Council of Turkey), 2006