



Interdisciplinary Workshop for Undergraduate Students
May 14-19, 2017

Project: *Distributionally Robust Stochastic Programming for Financial Applications* [Finance]

Speaker: Peter Diao

Abstract:

If we knew the future prices of stocks, then it would be easier to pick a portfolio of investments optimally. Since we do not know, we have to optimize our portfolio according to a probability distribution characterizing our uncertainty about the future. The goal of this project is to introduce these ideas and apply them to real stock data. We will also discuss about how to make our portfolios robust to misspecification of our probability distribution.