The Math Colloquium
Department of Mathematics
San José State University

George Mohler

Santa Clara Univ.

An Introduction to Learning to Rank
with Applications to Predictive Policing

DECEMBER 04, 2013, MH320

Abstract: In this talk we will give an introduction to "learning to rank" problems, such as ranking the relevance of urls returned by a search engine. We will discuss some of the basic building blocks of algorithm design such as data munging, constructing base learners, ensemble learning, and then show how these ideas can be applied to ranking crime hotspots in a city.

Background: No particular background will be assumed.

About the speaker: George Mohler is an Assistant Professor of Mathematics and Computer Science at Santa Clara University and Chief Scientist at PredPol, Inc. He received his Ph.D. in Mathematics from the University of California Santa Barbara and was CAM Assistant Adjunct Professor of Mathematics at UCLA from 2008 to 2010. His research on crime modeling and predictive policing has been featured in the New York Times, the Economist, TIME, Popular Science, and other international news outlets.

SNACKS IN MH331B AT 2:30 PM
TALK STARTS AT 3 PM

For more information, see our full schedule at:

http://www.math.sjsu.edu/∼hsu/colloq/