



The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University



Marian Farah
The Climate Corporation
*Using Data and Mathematics
to Help Feed the World!*
APRIL 11, 2018, MH320

Abstract: Exploding population growth is driving an unprecedented demand for food around the world. To keep up with this demand, crop production needs to increase dramatically. The Climate Corporation's mission is to help the world's farmer sustainably increase their crop yields using data science. This talk will cover drivers of crop yields and the digital tools — powered by data, mathematics, and science — that The Climate Corporation provides to help farmers improve their operations and increase crop yields.

Background: Curiosity about weather, science and agriculture.

About the speaker: Marian is a Data Science manager at The Climate Corporation. She holds a PhD in Statistics and Stochastic Modeling from UC Santa Cruz, and previously held a post-doctoral fellowship at Cambridge University. She has recently worked on problems in spatial outlier detection, spatiotemporal modeling of crop yields and weather data, and crop phenology detection and crop health using satellite images.

SNACKS IN MH331B AT 2:30 PM

TALK STARTS AT 3:00 PM

For more information, see our full schedule at:

<http://www.math.sjsu.edu/~hsu/colloq/>