Department of Atmospheric Sciences
Seminar Announcement

Department of Atmospheric Sciences, S.O.E.S.T., University of Hawai'i at Mānoa
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Introduction to Data Mining with Applications to Weather: Data-driven Methods for Solar Irradiance Forecasting

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Date: **Wednesday, October 14, 2015**
Seminar Time: **3:30pm**
Location: **Marine Sciences Building, MSB 100**

Abstract:

"Big Data", "Data Analytics" are some of the current buzzwords in the world of computing. At the core of the "big data" and "analytics" are two key technology: data processing systems (databases, nosql, distributed files) and data mining. In this talk I will spend 20 minutes giving a quick tutorial on data mining techniques and then discuss how I have applied some of these techniques (Linear Regression, Cubist Trees, Conditional Probabilities) to the problem of solar irradiance forecasting in my current research. Time allowing, I would like start a discussion on how some of these methods could be applied to other areas of atmospheric sciences.