



Stony Brook University

Biomedical Informatics Grand Rounds



Ed Kalpas, MD, MPH

Medical Director, HVH Precision Analytics

Machine Learning to Gain Actionable Insights Using Healthcare Data

Wednesday, September 12, 2018 3pm—4pm

Atkins Center – HSC Level 4 (Radiology)

Abstract:

How can disparate types of data be used to predict health outcomes? Using data sets such as electronic medical records, insurance claims, consumer data, social media, and environmental data, we can gain insights into the health of populations and individuals.

Machine learning and other techniques such as knowledge transfer can be used to differentiate signals in noisy data. These signals can be used to gain insights into how to efficiently deploy limited healthcare resources and to get patients treated earlier and more effectively.

Learning Objectives:

1. Identify various sources of healthcare data that can be used to predict health outcomes
2. Describe the advantages and disadvantages of various types of healthcare data
3. Explain how machine learning can provide insights into the health of individuals and populations

****CME CREDIT AVAILABLE****

Questions? Please call the Biomedical Informatics Department at 631-638-2590.