

**Department of Epidemiology and Biostatistics
Biostatistics Seminar**

Wednesday, February, 25, 2015
12:00pm - 1:00pm -- WG73

**“Applied Healthcare Analytics
Entrepreneurship and Product Development”**

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Abstract: Healthcare analytics is a rapidly growing industry that has been enabled by advances in data science. In 2014, a total of \$1.46 billion was invested in healthcare analytics companies, the most funded sector in digital health and a trend that will continue to grow. More importantly, this funding is an indicator of the unprecedented opportunity for data scientists to develop solutions for complex problems in healthcare.

In this talk, I will cover the entrepreneurial journey of establishing Triple Analytics, a company that uses data in electronic medical record systems to provide real-time decision support for chronic disease management. The Triple Analytics system is the result of careful algorithm selection, database design, data curation, and applied stochastic modeling. I will share the experience of translating a scientific concept from ideation to product development, the ethical considerations of managing clinical data and presenting results for medical decision-making, and lessons learned from challenges we have faced.