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**Genetha Gray\***, Talent Intelligence & Analytics, Intel Corporation, Folsom, CA. *What makes a mathematician a data scientist?*

In 2012, the Harvard Business Review named Data Scientist the sexiest job of the 21st century. The article and subsequent studies have called out a shortage of data scientists that will increase over the next 20-30 years. In this talk, I will explore what exactly is meant by the term “data scientist” and describe the aspects of mathematical training that can transform a mathematician into a data scientist in the eyes of corporate employers. I will also note some of the surprising places that mathematicians are currently working as data scientists. Using my own career transition from a mathematician in a High Performance Computing Group to a data scientist in Human Resources, I will cite examples of problems that data scientists study including energy usage and renewables integration, environmental monitoring, market intelligence, and recruiting, hiring and retention practices. (Received September 15, 2015)