8:45 – 9:00 am  Bagels & Juice (provided)
9:00 – 9:15 am  Introductions
9:15 – 11:00 am  Meet the Octonions!
Octonions (O) is an 8-dimensional algebraic number system. In this talk we will learn about its history, including a famous act of mathematical vandalism. We will do algebra and arithmetic with Octonions and learn about their special properties.
Speaker: Quincy Loney

11:00 – 2:15 pm (break for lunch)  Statistics: Fact and Fiction
Many of our math courses now include greater a emphasis on statistics. That’s a good thing in this modern data-driven age. But starting from the traditional worlds of algebra and geometry, stats is off the beaten path, mathematically. Let’s explore a bit. Some topics are new, while others that may seem familiar contain surprises.
• Mean, median, and mode you say? Not so fast!
• Just what IS a standard deviation, and why do we care?
• How are state tests & many texts often wrong about correlation & regression?
• What do you get when you combine fun and insight? Simulation!
We'll have time for a Q&A about statistics, too. (Do bring your calculator, please.)
Speaker: David Bock

2:15 – 2:30 pm  Closing

RSVP by Thursday, November 7, 2013
Registration Form:  http://www.math.cornell.edu/Community/5080/index.html

Questions?  Contact Mary Ann Huntley
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