



## CRMSE Colloquium Announcement

Dr. Cliff Konold

Director, Scientific Reasoning Research Institute  
University of Massachusetts Amherst

### **Data Games: Learning statistics through analysis of data generated from computer games.**

Monday, December 8, 2014  
1:00-2:00 pm  
6475 Alvarado Road, Room 128

**RSVP:** <https://crmse.wufoo.com/forms/crmse-colloquia/> or  
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Abstract: Playing a computer game generates large quantities of rich, highly variable data, which typically evaporate when the game ends. In the NSF-funded Data Games Project, we designed several simple games and an on-line data-analysis environment for use in grades 6-12 math classes. To improve their performance in the games, students must learn to analyze and draw appropriate inferences from their game data. We'll look at the game Ship Odyssey, designed to develop students' understanding of averages including a qualitative sense of the Law of Large Numbers. As an introduction, I'll review our research on learning to perceive statistical aggregates, which informed the design of the game and activities.

Bring your computers.

