

Mathematics and Statistics in Sports: Moneyball and Beyond

Audience:	Grade 4-12 Teachers, Math Specialists	Location:	TEC Professional Development Center in Dedham
Instructor:	Dr. Richard Cleary	Cost:	\$75 TEC Members / \$100 Non-TEC
Date & Time:	Friday March 12, 2010 8:30 AM – 3:30 PM	Earn:	6 Hours of Participation

Course Description: The sports world has always been a favorite source of examples and recreation for people who love mathematics and statistics, but only in recent years have the quant types moved from outsiders to insiders. In this seminar we look at how mathematical applications (including statistical analysis of players, efficient scheduling of teams and personnel, and examination of psychological phenomena like the 'hot hand') are applied in many sports. Baseball is the best known example, and we will discuss some of the work done there, as well as great examples from basketball, football, hockey, golf, figure skating and more! Many of the examples covered are adaptable for classroom use almost anywhere in the K-12 spectrum.

About the Instructor: Professor Richard Cleary chairs the Bentley University Mathematical Sciences Department. His research and consulting work focus on applied statistical analysis and modeling and he has published papers in a broad range of fields. Current research collaborations include work on statistical methods for detecting fraud in financial statements and consulting work on the strength of artificial hip joints. He enjoys training his students to recognize what randomness looks like in various real-world situations. In addition to the statistical background, Rick is a sports fan and an active athlete who has competed in every Boston marathon since 1979.

*Cancellations: Notice must be given at least ten (10) business days prior to the start of program. Payment will be processed at that time and refunds will not be granted after that date.
 Note: After January 29, a \$25 late fee is required with each course registration.*

To register: Complete this form and send, along with your check or purchase order, to:
 TEC Professional Development, P.O. Box 186, Dedham, MA 02027

Please register me for "Mathematics & Statistics in Sports" beginning on 3/12/10!
 Enclosed is a check or purchase order for: ___\$75 TEC / ___\$100 Non-TEC

Name: _____	School: _____
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