2019 New England Symposium on Statistics in Sports

Tentative Schedule (as of July 16, 2019)

Breakfast and Registration: Foyer area
8:00am – 9:15am: Coffee, tea, pastries

Welcome Address
9:15am – 9:30am: Mark Glickman and Scott Evans

Morning Session: Lecture Hall C - Featured talks
9:30am – 10:00am: Barry Nalebuff, Yale University
“Measuring Competitive Balance Correctly (in Sports)”
10:00am – 10:30am: Richard Smith, University of North Caroline, Chapel Hill
“How Do Typical Runners’ Performances Vary with Age and Gender?”
10:30am – 11:00am: Ron Yurko, Carnegie Mellon University
“Going Deep: Models for Continuous-Time Within-Play Valuation of Game Outcomes in American Football with Tracking Data”

Break: Foyer area
11:00am – 11:30am: Coffee and tea

Late-morning Parallel Sessions
11:30am – 1:00pm: Lecture Halls C and D

Lecture Hall C - Novel Use of Tracking Data
11:30am – 12:00pm: Neil Johnson, ESPN Analytics
“Extracting Player Tracking Data from Video Using Non-Stationary Cameras and a Combination of Computer Vision Techniques”
12:00pm – 12:30pm: Fan Bu, Duke University
“SMOGS: Social Network Metrics of Game Success”
12:30pm – 1:00pm: Jacob Mortensen, Simon Fraser University
“Estimation of Player Load Metrics Using Broadcast-Derived Tracking Data”

Lecture Hall D - Innovations in Sports Applications
11:30am – 12:00pm: Katherine Evans, Verily Life Sciences
“Treatment Effect Heterogeneity in MLB Bunting Strategies”
12:00pm – 12:30pm: Katy McKeough, Harvard University
“Plackett-Luce Modeling with Parametric Growth Curves for Predicting Career Trajectories”
12:30pm – 1:00pm: Brian Macdonald, ESPN Analytics
“Analyzing Player Performance in eSports”
Lunch break: Foyer area
1:00pm – 2:00pm: Sandwiches, beverages, snacks

Afternoon Parallel Sessions
2:00pm – 3:30pm: Lecture Halls C and D

Lecture Hall C - Unsupervised Analysis of Tracking Data
2:00pm – 2:30pm: Laurie Shaw, Harvard University
“Classifying and Analyzing Team Strategy in Professional Soccer Matches”
2:30pm – 3:00pm: Dani Chu, Simon Fraser University
“Route Identification in the National Football League”
3:00pm – 3:30pm: Sam Gregory, Sportlogiq
“Unsupervised Run Type Detection”

Lecture Hall D - Evaluation of Players and Team Lineups
2:00pm – 2:30pm: Devan Becker, University of Western Ontario
“Comparing NHL Players’ Shots and Goals by Algorithmically Decomposing Shot Intensity Surfaces”
2:30pm – 3:00pm: Nathan Sandholtz, Simon Fraser University
“Measuring Spatial Allocative Efficiency in Professional Basketball”
3:00pm – 3:30pm: Sarah Mallepalle, Carnegie Mellon University
“A Naive Bayes Approach for NFL Passing Evaluation Using Tracking Data Extracted from Images”

Poster Session: Foyer area
3:30pm – 5:00pm: With snacks and beverages

Panel Discussion: Lecture Hall C
5:00pm – 6:30pm: “The State of Soccer Analytics”
Moderator: Seth Walder – ESPN
Panelist: David Eccles – ChyronHego
Panelist: Tyler Heaps – US Soccer
Panelist: William Spearman – Liverpool FC

Post-NESSIS Get-Together
7:00pm – 9:00pm: TBA