2020 UConn Sports Analytics Symposium

Saturday, October 10, 2020   `http://uconnsportsanalytics.org/`

Started in 2019, the Only Conference of Its Kind!

The UConn Sports Analytics Symposium (UCSAS) focuses specifically on students (graduate, undergraduate, and high school) who are interested in sports analytics. Organized by the UConn Statistical Data Science Lab of the Department of Statistics, UCSAS aims to: 1) showcase sports analytics to students at an accessible level; 2) train students in data analytics with application to sports data; and 3) foster collaboration between academic programs and the sports industry.

Keynote Presentations

- Thompson Bliss, Data Scientist, National Football League
  Estimating the Impact of Travel, Rest, and Playing at Home in the National Football League
- Ron Yurko, PhD Candidate, Carnegie Mellon University
  Going Deep: Models for Continuous-Time Within-Play Valuation of Game Outcomes in American Football with Tracking Data
- Stephanie Kovalchik, PhD, Senior Data Scientist at Zelus Analytics
  Making the Intangible Tangible: Using Mixture Models for Estimating Latent Quantities in Sports
- ESPN Sports Analytics Team, ESPN
  Redesigning NBA Basketball Power Index

Poster Session A poster session is scheduled for 10:50–12:50. We invite submissions from all, especially students (high school, undergraduate, or graduate), with interesting works on any topics of sports analytics. The submission deadline is Friday, October 2, 2020. A student poster award (possibly named after a sponsor), decided by the Student Poster Award Committee, will be presented at the closing ceremony. The poster session also serves as a networking mixer. Grab a drink while enjoying the virtual poster session and networking.

Training Workshops One-hour workshops are offered in three concurrent sessions of two hours (13:00-15:00). Led by experienced (sometimes former) graduate students from the Department of Statistics at UConn, they provide trainings from jumpstart to advanced sports analytic skills.

- Concurrent Session A (Introductory)
  - 13:00–13:50: Introduction to R: Tuhin Sheikh
  - 14:00–14:50: Introduction to Python: Jun (Bruce) Jin
- Concurrent Session B (Intermediate)
  - 13:00–13:50: Baseball Analytics with R: Dr. Zhe Wang
  - 14:00–14:50: Basketball Analytics with R: Jackson Lautier
- Concurrent Session C (Advanced)
  - 13:00–13:50: Web Scraping for Sports Data with R: Yaqiong Yao
  - 14:00–14:50: Data Visualization with R: Yiming Zhang

Registration The symposium is open to anyone with an interest in sports analytics. The registration fee is minimal ($5) to get an accurate count for workshop planning and logistics.

Sponsorship We welcome and appreciate corporate and individual sponsorships of the 2020 UCSAS with any amount. Depending on the contribution level, sponsors will be recognized through customary channels. Please contact Dr. Jun Yan (`jun.yan@uconn.edu`) for details.