



## Big Data Health Science Case Competition

On behalf of The University of South Carolina Big Data Health Science Center, we would like to invite your university to participate in the 1<sup>st</sup> Big Data Health Science Case Competition, which will be held **February 7 – 9, 2020** at the Convention Center, located in Columbia's Downtown area. This event is designed to be a data science experience in healthcare for undergraduate/graduate students.

The UofSC Big Data Health Science Case Competition provides an opportunity for enthusiastic teams of graduate and/or senior undergraduate students with the opportunity to apply their knowledge to the analysis of big datasets in healthcare. **Group prizes include – First prize \$3,000; second prize \$2,000 and 3<sup>rd</sup> prize \$1,000.**

### Case Synopsis

*The case competition for this year is inspired by the real-life events that took place on January 6, 2005, in Graniteville, South Carolina. At roughly 2:40AM EST, two trains collided near the Avondale Mills plan in Graniteville exposing the residents of Graniteville and Aiken cities to chlorine gas. This even cost the lives of several residents and imposed an economical cost exceeding \$100,000,000.*

*Currently more than 350 chemicals are transported through the US transportation system that can be the subject of future incidents. The primary objective of this year's case competition is to develop analytic tools that mitigate the human and financial cost of similar incidents in the future. The data and the exact problem description will be provided to the participants on Friday night of the conference.*

Team members will work together to present their methods and analysis results at the Big Data Health Science Conference. A panel of industry and academic experts will judge the presentations based on teams' use of the full analytics process, from framing the problem to methodology selection, data use, model building and innovation. We encourage you to nominate a team of three students to participate in this challenging competition. Team registrations will be accepted on a first-come, first-served basis until **February 1st, 2020** or until 20 teams have registered (the maximum number of teams we can accommodate). Registration is available [here](#) and additional details may be obtained on the conference [website](#). There is a block of rooms reserved for participants in the Big Data Health Science Center Case Competition. Use this [Hotel Registration](#) to reserve your rooms at the Hyatt Place Columbia Downtown Hotel (**available until February 5, 2020**) or at the Marriott at this [link](#) (available until **January 15<sup>th</sup>, 2020**) at the conference rate of **\$139 per night**. A shuttle runs every 30 minutes from the airport to the hotel. If you have questions, please feel free to contact me directly at [olatosi@mailbox.sc.edu](mailto:olatosi@mailbox.sc.edu). Thanks in advance for your time and attention to this worthwhile experience. We hope to see you in Columbia!

Sincerely,

A handwritten signature in black ink, appearing to read "Olatosi".

Bankole Olatosi PhD, FACHE.