Baseball - 3D Visualization Challenge

Baseball is a rapidly changing game and analytics have propelled the strategy into the modern era. As teams create their own data pipelines and applications, it becomes crucial to have the best visualizations to help with analysis and insight generation. With the recent acquisition of a new data source, we have been provided with an awesome opportunity to visualize our data in 3 dimensions.

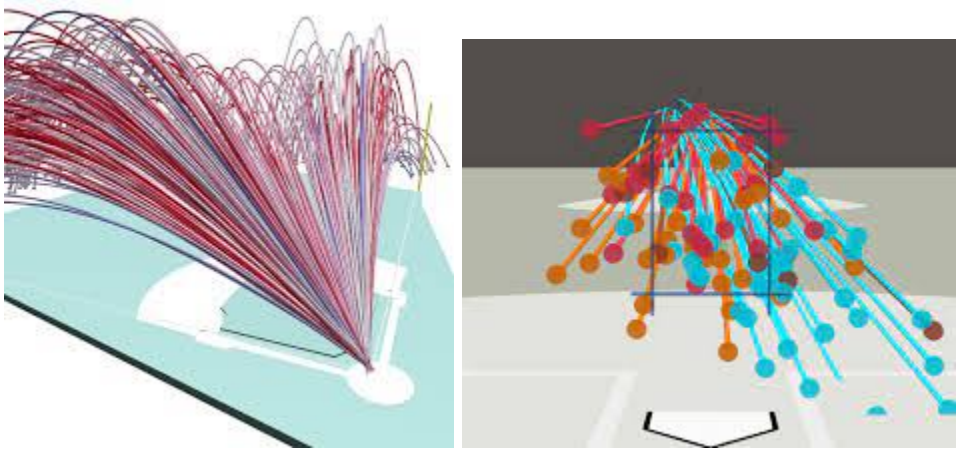
In terms of data provided. We will be providing a game's worth of batted ball data which comes with columns that establish polynomial data for a delivered pitch and batted balls. Given coefficients for the x, y, and z coordinates of a ball, we hope that teams can recreate a visualization model that can be used to see a more holistic view of the flight path of a baseball. This can be static or animated but should aim to tell a complete story of a pitch or batted ball.

Pitch Data Visualization

- Utilize data to construct a polynomial of a pitch delivery to construct the entire flight path as the pitch approaches the plate
- Create a visualization to display this model in an easily digestible presentation

Batted Ball Data Visualization

- Utilize data to construct a polynomial of a batted ball to construct the entire flight path from moment of contact to the end of motion.
- Create a visualization to display this model in an easily digestible presentation



Left: Possible 3D spray chart
Right: Possible 3D Pitch view

Prize: Athletic Swag Bag, game day opportunities such as delivery of first pitch and exclusive on field events, possible project contracting, possible job opportunity with the Georgia Tech Baseball Team.