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Thinking Outside the Box-Score in Lacrosse.

The data available for men's college lacrosse is very limited and therefore making a predictive model for goals scored is primitive at best. Through the use of a custom application, we recorded spatial data for the Roanoke College men's lacrosse team for the 2016 season. This more comprehensive data describes the spatial build up to shots (passing and running), shot location (field and goal), and any penalties awarded. With this more detailed game data we are able to build a more accurate model for goals scored, describe the quality of shots, and get a better understanding of where the defense is vulnerable. We will compare this custom data to box-score data to quantify the value of the more detailed spatial data. (Received September 16, 2016)