

pitchRx: Tools for Harnessing MLBAM Gameday data and Visualizing PITCHf/x

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With **pitchRx**, one can easily obtain Major League Baseball Advanced Media's Gameday data (as well as store it in a remote database). The Gameday website hosts a wealth of data in XML format, but perhaps most interesting is PITCHf/x. Among other things, PITCHf/x data can be used to recreate a baseball's flight path from a pitcher's hand to home plate. With **pitchRx**, one can easily create animations and interactive 3D scatterplots of the baseball's flight path. PITCHf/x data is also commonly used to generate a static plot of baseball locations at the moment they cross home plate. These plots, sometimes called strike-zone plots, can also refer to a plot of event probabilities over the same region. **pitchRx** provides an easy and robust way to generate strike-zone plots using the **ggplot2** package.