**Team G Project 1 Charter August 4, 2018**

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**Project Title:** Baseball Shift

**Description:** Has the popularity of the “infield shift” impacted baseball?

***Background:*** *The****infield shift****is a generic term used in*[*baseball*](https://en.wikipedia.org/wiki/Baseball)*to describe a defensive realignment from the standard positions to blanket one side of the field or another. Used primarily against left-handed batters, it is designed to protect against*[*base hits*](https://en.wikipedia.org/wiki/Base_hit)*pulled hard into the gaps between the fielders on one side (Wikipedia).*

**Data Sources:**

sportradar API - https://www.sportradar.com/

Data World baseball csv - https://data.world/search?q=baseball

**3-5 Initial Research Questions:**

1. Are teams scoring more runs since the “infield shift” become popular in year (XXXX)?
2. Has the “infield shift” effected bunting %?
3. Has the “infield shift” effected number of hits?

**Techniques & Tools:**

1. Merging data from CSV and API
2. Statistical Analysis
3. Graphing / plotting statistics

**Data Shortcomings:**

1. No known specific “infield shift” statistics exist
2. No known data comparisons for “infield shift.”