World Series Champions Simulation

Paul Forst, Ian O'Connor, Nathan Thomas

March 14, 2018

The Rundown

We took the last 16 World Series champions and wanted to see which team is the best. The batting and pitching statistics are included for all teams from their respective championship seasons. Each team will play each other team twice, once at home and once away. The simulation will simulate an entire season and cointinue to simulate as many seasons as specified. It will output the list of every season winner and their stats in that particular season.

```
## NULL
```

Table 1: Single Season Results

Team	Record	HomeRec	AwayRec	WinPct	RunsFor	RunsAgainst	Last10
PHI_2008	23-7	11-4	12-3	0.7666667	328	214	8-2
BOS_2004	22-8	11-4	11-4	0.7333333	384	238	7-3
BOS_2013	22-8	12-3	10-5	0.7333333	347	209	8-2
BOS_2004	22-8	10-5	12-3	0.7333333	480	293	8-2
PHI_2008	23-7	10-5	13-2	0.7666667	390	223	6-4
BOS_2004	22-8	11-4	11-4	0.7333333	393	274	8-2
NYA_2009	19-11	10-5	9-6	0.6333333	337	258	6-4
PHI_2008	21-9	10-5	11-4	0.7000000	367	258	7-3
BOS_2004	23-7	13-2	10-5	0.7666667	405	246	8-2
BOS_2004	24-6	13-2	11-4	0.8000000	389	247	8-2

Final Results

Once the simulation is finished running and we have each season's winner, we can aggregate these and output the winner, being the team that won the most simulations.

Season Champions

Table 2: Season Champions

Team	SeasonWins	RunsScored	RunsAllowed
BOS_2004	5	2051	1298
PHI_2008	3	1085	695
BOS_2013	1	347	209
NYA_2009	1	337	258

```
## [1] "Your overall champion is BOS_2004"
```