Rockies 2017 - Week #25

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Figure 1: Ted Williams and Babe Ruth shake hands.

A man has to have goals - for a day, for a lifetime - and that was mine, to have people say, 'There goes Ted Williams, the greatest hitter who ever lived.' — Ted Williams

Table 1: NL West Standings

Tm	W	L	W-L%	GB
Los Angeles Dodgers	99	57	.635	–
Arizona Diamondbacks	90	66	.577	9.0
Colorado Rockies	84	72	.538	15.0
San Diego Padres	70	86	.449	29.0
San Francisco Giants	61	95	.391	38.0

Table 2: Current Rockies Results as of 2017-09-25

Wins	Losses	Win.Pct	Runs	Runs.Ag	Predicted Season Wins
84	72	53.846	784	731	87

Week #25

Our Colorado Rockies won two of six this past week and currently set at 84 and 72. They are two games ahead of the Brewers in the wild card race.

The Colorado Rockies are closing in on the end of the regular season with only six more games. There is more than six-bits chance (76.8 percent) that the Rox will get on board the playoff train.

Hang onto your rally caps, mile-high fans. Anything can happen.

- **Featured Article**
  - None this week. Returning later.
- Colorado Rockies Dashboard
  - Rockies Win/Loss Graphs for 2017 and 2007
  - Playoff Odds as Presented by FanGraphs.
  - Top Twelve Rockies Players as Measured by WAR
  - National and American League Standings
  - Game-by-Game Results
  - **Pythagorean Theorem** prediction of the number of wins.
  - Batting Statistics (for non-pitchers)
  - Pitching Statistics
  - National League Team Standard Batting
  - Current Injuries **Updated**
- Topics for Future Articles
- Glossary
  - Batting Statistics
  - Pitching Statistics
  - Fielding Statistics

Most of the source data for this article can be found at URL http://baseball-reference.com.

Let me know what other special interest statistics you might like to see. Remember to refer to the Glossaries at the end of the document if unfamiliar with one or more of the statistic abbreviations in the tables.

Colorado Rockies Dashboard

Win Loss Margin

One of the many ways to visualize a teams performance is to show wins and losses as the margin of the win (positive) or loss (negative). In the graphs below, we show the current season performance. For emphasis, wins are displayed in green (above the zero) and losses in red (below).

Following the current season's graph, I have included the Win/Loss margin chart for our benchmark season of 2007 when the Rockies won the National League pennant.

Rockies 2017 Win/Loss Margin
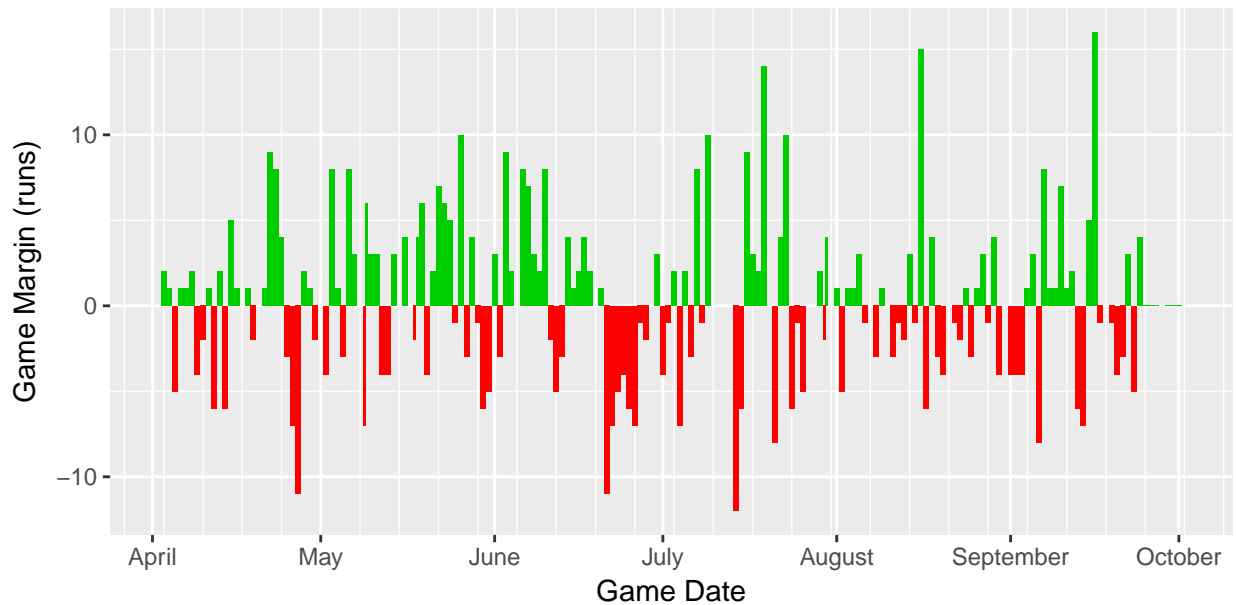
Rockies 2007 Win/Loss Margin
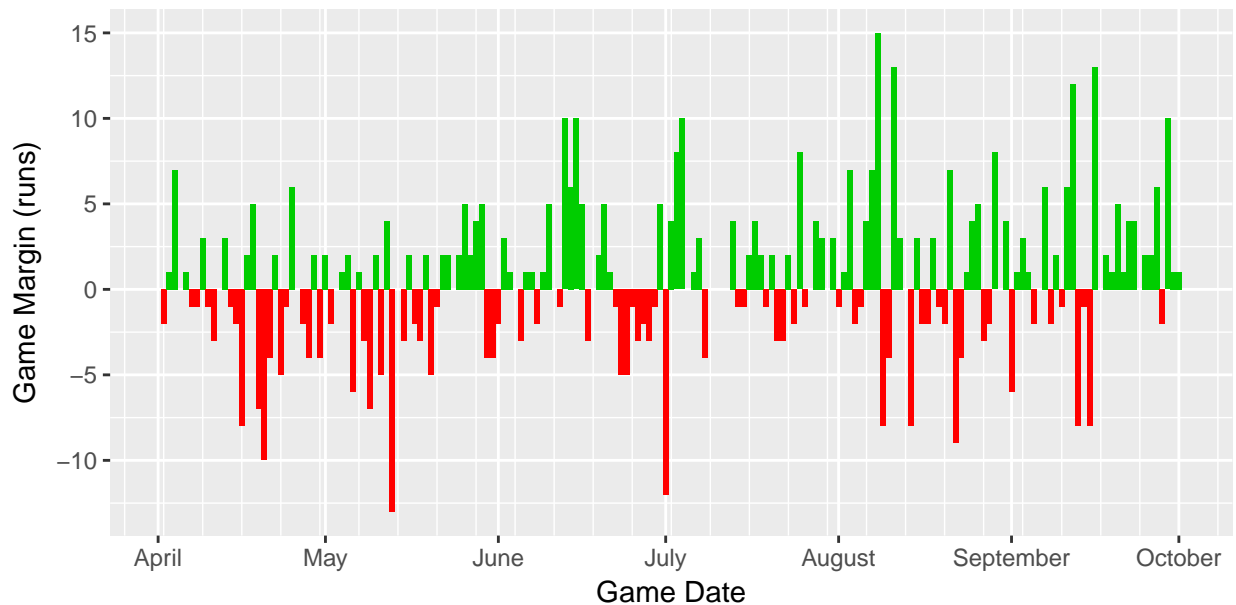
Playoff Odds as Presented by FanGraphs

American League Projected Standings / Odds

Abbreviations used in the following tables:

- W - Wins
- L - Losses
- W% - Win Percentage
- GB - Games Back
- EXPW - Expected Wins
- EXPL - Expected Losses
- rosW% - Rest of season wining percentage
- DIV - Percent chance of winning division
- WC - Percent chance of winning a wildcard spot
- POFF - Percent chance winning the division or wildcard spot
- DOFF - Percent chance of making the division series
- NL/AL DS - Percent chance of winning the divisional and making it to the championship series
- NL/AL CS - Percent chance of winning the championship series and making it to the world series
- WS - Percent chance of winning the World Series

Table 3: AL East

Team	W	L	W%	GB	EXPW	EXPL	rosW%	DIV	WC	POFF	DOFF	ALDS	ALCS	WS
Red Sox	91	64	0.587	0.0	94.7	67.3	0.533	99.3	0.7	100	99.8	46.6	24.0	14.2
Yankees	86	69	0.555	5.0	90.3	71.7	0.610	0.7	99.3	100	58.9	24.5	10.4	5.4
Rays	76	80	0.487	15.5	79.0	83.0	0.502	0.0	0.0	0	0.0	0.0	0.0	0.0
Orioles	75	82	0.478	17.0	77.5	84.5	0.496	0.0	0.0	0	0.0	0.0	0.0	0.0
Blue Jays	73	83	0.468	18.5	75.5	86.5	0.419	0.0	0.0	0	0.0	0.0	0.0	0.0

Table 4: AL Central

Team	W	L	W%	GB	EXPW	EXPL	rosW%	DIV	WC	POFF	DOFF	ALDS	ALCS	WS
Indians	98	58	0.628	0.0	102.0	60.0	0.674	100	0	100	100.0	63.9	34.1	20.5
Twins	82	74	0.526	16.0	84.8	77.2	0.467	0	98	98	40.5	11.1	2.7	1.0
Royals	76	79	0.490	21.5	79.2	82.8	0.451	0	0	0	0.0	0.0	0.0	0.0
White Sox	63	92	0.406	34.5	65.2	96.8	0.313	0	0	0	0.0	0.0	0.0	0.0
Tigers	62	94	0.397	36.0	64.6	97.4	0.437	0	0	0	0.0	0.0	0.0	0.0

Table 5: AL West

Team	W	L	W%	GB	EXPW	EXPL	rosW%	DIV	WC	POFF	DOFF	ALDS	ALCS	WS
Astros	95	60	0.613	0.0	99.0	63.0	0.569	100	0.0	100.0	100.0	53.6	28.7	17.6
Angels	77	78	0.497	18.0	81.1	80.9	0.592	0	1.9	1.9	0.8	0.3	0.1	0.1
Rangers	76	79	0.490	19.0	79.1	82.9	0.438	0	0.0	0.0	0.0	0.0	0.0	0.0
Mariners	75	81	0.481	20.5	78.1	83.9	0.511	0	0.0	0.0	0.0	0.0	0.0	0.0
Athletics	72	83	0.465	23.0	75.4	86.6	0.489	0	0.0	0.0	0.0	0.0	0.0	0.0

National League Projected Standings / Odds

Table 6: NL East

Team	W	L	W%	GB	EXPW	EXPL	rosW%	DIV	WC	POFF	DOFF	NLDS	NLCS	WS
Nationals	94	61	0.606	0.0	98.1	63.9	0.592	100	0	100	100	42.8	20	7
Marlins	73	82	0.471	21.0	76.5	85.5	0.505	0	0	0	0	0.0	0	0
Braves	70	84	0.455	23.5	74.6	87.4	0.573	0	0	0	0	0.0	0	0
Mets	66	89	0.426	28.0	68.8	93.2	0.398	0	0	0	0	0.0	0	0
Phillies	62	94	0.397	32.5	64.7	97.3	0.451	0	0	0	0	0.0	0	0

Table 7: NL Central

Team	W	L	W%	GB	EXPW	EXPL	rosW%	DIV	WC	POFF	DOFF	NLDS	NLCS	WS
Cubs	87	68	0.561	0.0	91.1	70.9	0.584	99.8	0.1	99.9	99.9	57.3	30.7	13.4
Brewers	82	74	0.526	5.5	85.0	77.0	0.493	0.0	13.4	13.4	6.2	1.8	0.5	0.1
Cardinals	81	74	0.523	6.0	84.5	77.5	0.496	0.2	9.7	9.9	4.9	1.8	0.9	0.3
Pirates	71	85	0.455	16.5	73.6	88.4	0.439	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reds	66	90	0.423	21.5	68.5	93.5	0.412	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 8: NL West

Team	W	L	W%	GB	EXPW	EXPL	rosW%	DIV	WC	POFF	DOFF	NLDS	NLCS	W
Dodgers	99	57	0.635	0	102.7	59.3	0.622	100	0.0	100.0	100.0	63.8	34.7	16.
Diamondbacks	90	66	0.577	9	93.2	68.8	0.527	0	100.0	100.0	53.1	20.7	9.0	3.
Rockies	84	72	0.538	15	86.8	75.2	0.464	0	76.8	76.8	35.9	11.8	4.1	1.
Padres	70	86	0.449	29	72.3	89.7	0.387	0	0.0	0.0	0.0	0.0	0.0	0.
Giants	61	95	0.391	38	64.1	97.9	0.516	0	0.0	0.0	0.0	0.0	0.0	0.

Top Twelve Rockies Players as Measured by WAR

Following is a table of the top twelve Colorado Rockies players as measured by the most recent WAR assessment for pitchers and position players. Week after week Nolan Arenado is at the top of this list. You may be surprised by some of the others on the list.

Table 9: Rockies Top 12 Players (WAR)

Rank	Name	Age	WAR	Salary.M
1	Nolan Arenado	26	6.7	11.750
2	Charlie Blackmon	30	5.6	7.300
3	Kyle Freeland	24	3.5	0.535
4	German Marquez	22	3.1	0.535
5	Jon Gray	25	2.8	0.535
6	DJ LeMahieu	28	2.8	4.800
7	Chris Rusin	30	2.4	0.535
8	Tyler Chatwood	27	2.3	4.400
9	Antonio Senzatela	22	2.2	0.535
10	Trevor Story	24	1.9	0.535
11	Greg Holland	31	1.6	6.000
12	Jake McGee	30	1.4	5.900

National League Standings

Table 10: NL East Standings

Tm	W	L	W-L%	GB
Washington Nationals	94	61	.606	–
Miami Marlins	73	82	.471	21.0
Atlanta Braves	70	84	.455	23.5
New York Mets	66	89	.426	28.0
Philadelphia Phillies	62	94	.397	32.5

Table 11: NL Central Standings

Tm	W	L	W-L%	GB
Chicago Cubs	87	68	.561	–
Milwaukee Brewers	82	74	.526	5.5
St. Louis Cardinals	81	74	.523	6.0
Pittsburgh Pirates	71	85	.455	16.5
Cincinnati Reds	66	90	.423	21.5

Table 12: NL West Standings

Tm	W	L	W-L%	GB
Los Angeles Dodgers	99	57	.635	–
Arizona Diamondbacks	90	66	.577	9.0
Colorado Rockies	84	72	.538	15.0
San Diego Padres	70	86	.449	29.0
San Francisco Giants	61	95	.391	38.0

American League Standings

Table 13: AL East Standings

Tm	W	L	W-L%	GB
Boston Red Sox	91	64	.587	–
New York Yankees	86	69	.555	5.0
Tampa Bay Rays	76	80	.487	15.5
Baltimore Orioles	75	82	.478	17.0
Toronto Blue Jays	73	83	.468	18.5

Table 14: AL Central Standings

Tm	W	L	W-L%	GB
Cleveland Indians	98	58	.628	–
Minnesota Twins	82	74	.526	16.0
Kansas City Royals	76	79	.490	21.5
Chicago White Sox	63	92	.406	34.5
Detroit Tigers	62	94	.397	36.0

Table 15: AL West Standings

Tm	W	L	W-L%	GB
Houston Astros	95	60	.613	–
Los Angeles Angels	77	78	.497	18.0
Texas Rangers	76	79	.490	19.0
Seattle Mariners	75	81	.481	20.5
Oakland Athletics	72	83	.465	23.0

Rockies Game-by-Game Schedule/Results

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
1	Mon	Apr 3	A	MIL	W	7	5	Estevez	Marinez	Holland	D	+
2	Tue	Apr 4	A	MIL	W	6	5	Anderson	Davies	Holland	N	++
3	Wed	Apr 5	A	MIL	L	1	6	Peralta	Chatwood	Feliz	N	-
4	Thu	Apr 6	A	MIL	W	2	1	Dunn	Feliz	Holland	D	+
5	Fri	Apr 7	H	LAD	W	2	1	Freeland	Ryu	McGee	D	++
6	Sat	Apr 8	H	LAD	W	4	2	Dunn	Kershaw	Holland	N	+++
7	Sun	Apr 9	H	LAD	L	6	10	Maeda	Anderson		D	-
8	Mon	Apr 10	H	SDP	L	3	5	Diaz	Chatwood		N	−
9	Tue	Apr 11	H	SDP	W	3	2	Senzatela	Diaz	Holland	N	+
10	Wed	Apr 12	H	SDP	L	0	6	Lee	Freeland		D	-
11	Thu	Apr 13	A	SFG	W	3	1	Rusin	Bumgarner	Holland	N	+
12	Fri	Apr 14	A	SFG	L	2	8	Cueto	Anderson		N	-
13	Sat	Apr 15	A	SFG	W	5	0	Chatwood	Moore		D	+
14	Sun	Apr 16	A	SFG	W	4	3	Senzatela	Samardzija	Holland	D	++
15	Tue	Apr 18	A	LAD	W	4	3	Rusin	Ryu	Holland	N	+++
16	Wed	Apr 19	A	LAD	L	2	4	Kershaw	Anderson	Jansen	N	-
17	Fri	Apr 21	H	SFG	W	6	5	Chatwood	Cueto	Holland	N	+
18	Sat	Apr 22	H	SFG	W	12	3	Senzatela	Moore		N	++
19	Sun	Apr 23	H	SFG	W	8	0	Freeland	Samardzija		D	+++
20	Mon	Apr 24	H	WSN	W	8	4	Estevez	Romero		N	+++-
21	Tue	Apr 25	H	WSN	L	12	15	Romero	Marquez		N	-
22	Wed	Apr 26	H	WSN	L	4	11	Roark	Chatwood		N	−
23	Thu	Apr 27	H	WSN	L	5	16	Gonzalez	Senzatela		D	−−
24	Fri	Apr 28	A	ARI	W	3	1	Freeland	Ray	Holland	N	+
25	Sat	Apr 29	A	ARI	W	7	6	Estevez	Rodney	Holland	N	++
26	Sun	Apr 30	A	ARI	L-wo	0	2	Delgado	Lyles		D	-
NA	May	NA	H	Opp	W/L	NA	NA	Win	Loss	Save	D/N	Streak
27	Tue	May 2	A	SDP	L	2	6	Cahill	Chatwood		N	−
28	Wed	May 3	A	SDP	W	11	3	Senzatela	Weaver		N	+
29	Thu	May 4	A	SDP	W	3	2	Qualls	Hand	Holland	D	++
30	Fri	May 5	H	ARI	L	3	6	Greinke	Marquez	Rodney	N	-
31	Sat	May 6	H	ARI	W	9	1	Anderson	Corbin	Rusin	N	+
32	Sun	May 7	H	ARI	W	5	2	Chatwood	Walker	Holland	D	++
33	Tue	May 9 (1)	H	CHC	W	10	4	Senzatela	Arrieta		D	+++
34	Tue	May 9 (2)	H	CHC	L	1	8	Lackey	Freeland		N	-
35	Wed	May 10	H	CHC	W	3	0	Marquez	Hendricks	Holland	D	+
36	Thu	May 11	H	LAD	W	10	7	Hoffman	Ryu	Holland	N	++
37	Fri	May 12	H	LAD	L	2	6	Kershaw	Chatwood		N	-
38	Sat	May 13	H	LAD	L	0	4	Wood	Anderson		N	−
39	Sun	May 14	H	LAD	W	9	6	Senzatela	Urias	Holland	D	+
40	Tue	May 16	A	MIN	W	7	3	Freeland	Hughes	Holland	N	++
41	Thu	May 18 (1)	A	MIN	W	5	1	Marquez	Santana	Holland	D	+++
42	Thu	May 18 (2)	A	MIN	L	0	2	Berrios	Chatwood	Kintzler	N	-
43	Fri	May 19	A	CIN	W	12	6	Anderson	Bonilla		N	+
44	Sat	May 20	A	CIN	L	8	12	Wojciechowski	Dunn		D	-
45	Sun	May 21	A	CIN	W	6	4	Freeland	Arroyo	Holland	D	+
46	Mon	May 22	A	PHI	W	8	1	Hoffman	Eickhoff		N	++
47	Tue	May 23	A	PHI	W	8	2	Marquez	Eflin		N	+++
48	Wed	May 24	A	PHI	W	7	2	Chatwood	Hellickson		N	+++-
49	Thu	May 25	A	PHI	L-wo	1	2	Gomez	Oberg		D	-

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
50	Fri	May 26	H	STL	W	10	0	Senzatela	Martinez		N	+
51	Sat	May 27	H	STL	L	0	3	Wainwright	Freeland	Oh	N	-
52	Sun	May 28	H	STL	W	8	4	Marquez	Lynn		D	+
53	Mon	May 29	H	SEA	L	5	6	Gaviglio	Chatwood	Diaz	D	-
54	Tue	May 30	H	SEA	L	4	10	Miranda	Anderson		N	–
55	Wed	May 31	A	SEA	L	0	5	Paxton	Senzatela		N	——
NA	Jun	NA	H	Opp	W/L	NA	NA	Win	Loss	Save	D/N	Streak
56	Thu	Jun 1	A	SEA	W	6	3	Freeland	Gallardo	Holland	D	+
57	Fri	Jun 2	A	SDP	L	5	8	Richard	Marquez	Maurer	N	-
58	Sat	Jun 3	A	SDP	W	10	1	Chatwood	Chacin		D	+
59	Sun	Jun 4	A	SDP	W	3	1	Hoffman	Cosart	Holland	D	++
60	Tue	Jun 6	H	CLE	W	11	3	Senzatela	Clevinger		N	+++
61	Wed	Jun 7	H	CLE	W	8	1	Freeland	Bauer		D	++++
62	Thu	Jun 8	A	CHC	W	4	1	Chatwood	Lester	Holland	N	++++
63	Fri	Jun 9	A	CHC	W	5	3	Rusin	Frankoff	Holland	D	++++
64	Sat	Jun 10	A	CHC	W	9	1	Hoffman	Butler		D	++++
65	Sun	Jun 11	A	CHC	L	5	7	Edwards	Lyles	Davis	D	-
66	Mon	Jun 12	A	PIT	L	2	7	Taillon	Freeland		N	–
67	Tue	Jun 13	A	PIT	L	2	5	Cole	Ottavino		N	——
68	Wed	Jun 14	A	PIT	W	5	1	Marquez	Kuhl		N	+
69	Thu	Jun 15	H	SFG	W-wo	10	9	Holland	Strickland		N	++
70	Fri	Jun 16	H	SFG	W	10	8	Senzatela	Samardzija	Holland	N	+++
71	Sat	Jun 17	H	SFG	W	5	1	Freeland	Cain		D	++++
72	Sun	Jun 18	H	SFG	W-wo	7	5	Estevez	Melancon		D	++++
73	Tue	Jun 20	H	ARI	W	4	3	Ottavino	Greinke	Holland	N	++++
74	Wed	Jun 21	H	ARI	L	5	16	Walker	Hoffman		N	-
75	Thu	Jun 22	H	ARI	L	3	10	Godley	Senzatela		D	–
76	Fri	Jun 23	A	LAD	L	1	6	Wood	Freeland		N	——
77	Sat	Jun 24	A	LAD	L	0	4	Kershaw	Chatwood		N	——-
78	Sun	Jun 25	A	LAD	L	6	12	Baez	Ottavino	Jansen	D	——
79	Mon	Jun 26	A	SFG	L	2	9	Samardzija	Marquez		N	———
80	Tue	Jun 27	A	SFG	L-wo	3	4	Gearrin	Qualls		N	———-
81	Wed	Jun 28	A	SFG	L	3	5	Blach	Freeland	Strickland	D	————
82	Fri	Jun 30	A	ARI	W	6	3	Gray	Ray	Holland	N	+
NA	Jul	NA	H	Opp	W/L	NA	NA	Win	Loss	Save	D/N	Streak
83	Sat	Jul 1	A	ARI	L	2	6	Greinke	Chatwood	Rodney	N	-
84	Sun	Jul 2	A	ARI	L-wo	3	4	Rodney	Ottavino		D	–
85	Mon	Jul 3	H	CIN	W	5	3	Hoffman	Castillo	Holland	N	+
86	Tue	Jul 4	H	CIN	L	1	8	Bailey	Freeland		N	-
87	Wed	Jul 5	H	CIN	W	5	3	Gray	Feldman	Holland	N	+
88	Thu	Jul 6	H	CIN	L	3	6	Romano	Chatwood		D	-
89	Fri	Jul 7	H	CHW	W	12	4	Marquez	Holland		N	+
90	Sat	Jul 8	H	CHW	L	4	5	Kahnle	Holland	Robertson	N	-
91	Sun	Jul 9	H	CHW	W	10	0	Freeland	Rodon		D	+
92	Fri	Jul 14	A	NYM	L	2	14	deGrom	Gray		N	-
93	Sat	Jul 15	A	NYM	L	3	9	Lugo	Chatwood		N	–
94	Sun	Jul 16	A	NYM	W	13	4	Hoffman	Matz		D	+
95	Mon	Jul 17	H	SDP	W	9	6	Marquez	Perdomo	Holland	N	++
96	Tue	Jul 18	H	SDP	W	9	7	Senzatela	Lamet	Holland	N	+++
97	Wed	Jul 19	H	SDP	W	18	4	Gray	Richard		D	++++
98	Fri	Jul 21	H	PIT	L	5	13	Williams	Hoffman		N	-
99	Sat	Jul 22	H	PIT	W	7	3	Marquez	Kuhl	Holland	N	+

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
100	Sun	Jul 23	H	PIT	W	13	3	Freeland	Nova		D	++
101	Mon	Jul 24	A	STL	L	2	8	Leake	Senzatela		N	-
102	Tue	Jul 25	A	STL	L-wo	2	3	Rosenthal	McGee		N	–
103	Wed	Jul 26	A	STL	L	5	10	Martinez	Hoffman		N	—
104	Sat	Jul 29	A	WSN	W	4	2	Marquez	Roark	Holland	N	+
105	Sun	Jul 30 (1)	A	WSN	W	10	6	Freeland	Fedde	Holland	D	++
106	Sun	Jul 30 (2)	A	WSN	L	1	3	Jackson	Gray	Doolittle	N	-
NA	Aug	NA	H	Opp	W/L	NA	NA	Win	Loss	Save	D/N	Streak
107	Tue	Aug 1	H	NYM	W-wo	5	4	Dunn	Robles		N	+
108	Wed	Aug 2	H	NYM	L	5	10	Bradford	Chatwood		N	-
109	Thu	Aug 3	H	NYM	W-wo	5	4	Holland	Robles		D	+
110	Fri	Aug 4	H	PHI	W	4	3	Dunn	Garcia	Holland	N	++
111	Sat	Aug 5	H	PHI	W	8	5	Gray	Pivetta		N	+++
112	Sun	Aug 6	H	PHI	L	2	3	Ramos	Holland	Neris	D	-
113	Tue	Aug 8	A	CLE	L-wo	1	4	Kluber	Holland		N	–
114	Wed	Aug 9	A	CLE	W	3	2	Estevez	McAllister	Chatwood	D	+
115	Fri	Aug 11	A	MIA	L	3	6	Tazawa	McGee	Ziegler	N	-
116	Sat	Aug 12	A	MIA	L	3	4	Nicolino	Hoffman	Ziegler	N	–
117	Sun	Aug 13	A	MIA	L	3	5	Guerra	Marquez	Despaigne	D	—
118	Mon	Aug 14	H	ATL	W	3	0	Dunn	Brothers	Holland	N	+
119	Tue	Aug 15	H	ATL	L	3	4	Freeman	Neshek	Vizcaino	N	-
120	Wed	Aug 16	H	ATL	W	17	2	Gray	Foltynewicz		N	+
121	Thu	Aug 17	H	ATL	L	4	10	Sims	Hoffman		D	-
122	Fri	Aug 18	H	MIL	W	8	4	Marquez	Garza		N	+
123	Sat	Aug 19	H	MIL	L	3	6	Swarzak	Holland	Knebel	N	-
124	Sun	Aug 20	H	MIL	L	4	8	Anderson	Freeland	Knebel	D	–
125	Tue	Aug 22	A	KCR	L	2	3	Duffy	Gray	Alexander	N	—
126	Wed	Aug 23	A	KCR	L-wo	4	6	Maurer	Holland		N	—-
127	Thu	Aug 24	A	KCR	W	3	2	Ottavino	Minor	Holland	D	+
128	Fri	Aug 25	A	ATL	L	2	5	Teheran	Bettis	Vizcaino	N	-
129	Sat	Aug 26	A	ATL	W	7	6	Neshek	Vizcaino	McGee	N	+
130	Sun	Aug 27	A	ATL	W	3	0	Gray	Foltynewicz	McGee	D	++
131	Mon	Aug 28	H	DET	L	3	4	Zimmermann	Senzatela	Greene	N	-
132	Tue	Aug 29	H	DET	W	7	3	Neshek	Fulmer		N	+
133	Wed	Aug 30	H	DET	L	2	6	Verlander	Bettis		D	-
NA	Sep	NA	H	Opp	W/L	NA	NA	Win	Loss	Save	D/N	Streak
134	Fri	Sep 1	H	ARI	L	5	9	Walker	Freeland		N	–
135	Sat	Sep 2	H	ARI	L	2	6	Corbin	Gray		N	—
136	Sun	Sep 3	H	ARI	L	1	5	Godley	Marquez	Sherfy	D	—-
137	Mon	Sep 4	H	SFG	W-wo	4	3	Holland	Okert		D	+
138	Tue	Sep 5	H	SFG	W	9	6	Rusin	Blach	Holland	N	++
139	Wed	Sep 6	H	SFG	L	3	11	Cueto	Freeland		N	-
140	Thu	Sep 7	A	LAD	W	9	1	Gray	Kershaw		N	+
141	Fri	Sep 8	A	LAD	W	5	4	Rusin	Darvish	Holland	N	++
142	Sat	Sep 9	A	LAD	W	6	5	Bettis	Wood	Holland	N	+++
143	Sun	Sep 10	A	LAD	W	8	1	Chatwood	Hill		D	+++-
144	Mon	Sep 11	A	ARI	W	5	4	Anderson	Barrett	Holland	N	+++-
145	Tue	Sep 12	A	ARI	W	4	2	Gray	Hernandez	Rusin	N	+++-
146	Wed	Sep 13	A	ARI	L	2	8	Corbin	Marquez		N	-
147	Thu	Sep 14	A	ARI	L	0	7	Godley	Bettis		D	–
148	Fri	Sep 15	H	SDP	W	6	1	Chatwood	Richard		N	+
149	Sat	Sep 16	H	SDP	W	16	0	Anderson	Lyles		N	++

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
150	Sun	Sep 17	H	SDP	L	3	4	Yates	Holland	Hand	D	-
151	Tue	Sep 19	A	SFG	L-wo	3	4	Dyson	Rusin		N	–
152	Wed	Sep 20	A	SFG	L	0	4	Moore	Chatwood		D	—
153	Thu	Sep 21	A	SDP	L	0	3	Richard	Anderson	Hand	N	—-
154	Fri	Sep 22	A	SDP	W	4	1	Gray	Lyles	Holland	N	+
155	Sat	Sep 23	A	SDP	L	0	5	Chacin	Bettis		N	-
156	Sun	Sep 24	A	SDP	W	8	4	Marquez	Perdomo		D	+

The Rockies current record is 84 Wins and 72 Losses. So far, the Rockies have scored 784 runs and have had 731 runs scored against them.

Pythagorean Win-Loss Theorem

$$predictedW\% = \frac{R^k}{R^k + RA^k}$$

Using the commonly used values of k, the Rockies predicted wins for the 2017 are shown in the table below. Remember this statistic will vary widely over the course of the season.

Table 17: Predicted Wins for Entire 2017 Season

Wins (k=1.81)	Wins (k=1.83)	Wins (k=2.00)
86	86	87

Batting Statistics (non-pitchers)

Table 18: Rockies Batting Statistics (1 of 2).

Rk	Pos	Name	Age	G	AB	R	H	2B	3B	HR	RBI	SB	CS	BB
1	C	Wolters*	25	79	226	30	53	8	1	0	15	0	1	32
2	1B	Reynolds	33	143	503	78	135	22	1	29	95	2	1	65
3	2B	LeMahieu	28	149	588	94	183	28	4	8	64	6	5	58
4	SS	Story	24	139	482	62	112	30	2	22	73	7	1	47
5	3B	Arenado	26	153	587	94	179	42	7	35	126	3	2	59
6	LF	Parra*	30	111	382	56	121	24	1	10	70	2	5	19
7	CF	Blackmon*	30	153	622	134	203	34	14	36	96	13	9	61
8	RF	Gonzalez*	31	131	454	66	114	30	0	13	54	3	0	55
9	UT	Desmond	31	89	320	43	89	11	1	6	36	14	4	21
10	IF	Valaika	24	107	176	28	46	11	0	13	40	0	0	7
11	UT	Amarista*	28	91	160	20	38	10	0	3	19	1	0	7
12	OF	Tapia*	23	66	151	25	43	10	2	2	13	5	2	8
13	C	Lucroy	31	40	130	13	38	5	2	1	11	0	0	18
14	C	Hanigan	36	31	98	9	26	2	0	2	12	0	0	8
15	C	Garneau	29	22	68	5	14	7	0	1	6	0	0	4
16	OF	Cardullo	29	15	28	2	4	0	0	0	3	0	0	3
17	OF	Tauchman*	26	26	21	1	4	0	0	0	1	1	2	5
18	C	Murphy	26	12	24	1	1	1	0	0	1	0	0	2
19	IF	McMahon*	22	14	15	2	2	1	0	0	1	0	0	5
20	IF	Adames#	25	12	13	1	0	0	0	0	0	0	0	1

Table 19: Rockies Batting Statistics (2 of 2).

Rk	Pos	Name	Age	SO	BA	OBP	SLG	OPS	OPS+	TB	GDP	HBP	SH	SF	IBB
1	C	Wolters*	25	55	.235	.335	.279	.613	55	63	9	2	2	0	9
2	1B	Reynolds	33	169	.268	.351	.489	.840	104	246	12	1	0	3	0
3	2B	LeMahieu	28	88	.311	.376	.413	.789	95	243	23	6	3	5	1
4	SS	Story	24	186	.232	.303	.440	.742	80	212	12	2	0	1	4
5	3B	Arenado	26	104	.305	.369	.579	.949	129	340	20	4	1	5	7
6	LF	Parra*	30	65	.317	.348	.463	.811	98	177	12	4	0	9	0
7	CF	Blackmon*	30	132	.326	.394	.600	.993	140	373	4	10	3	3	8
8	RF	Gonzalez*	31	116	.251	.331	.403	.734	80	183	7	2	0	6	3
9	UT	Desmond	31	82	.278	.327	.375	.702	73	120	13	4	2	4	1
10	IF	Valaika	24	52	.261	.288	.545	.833	98	96	1	0	5	1	0
11	UT	Amarista*	28	36	.238	.269	.356	.626	53	57	3	0	1	0	0
12	OF	Tapia*	23	35	.285	.329	.417	.746	83	63	2	2	1	0	1
13	C	Lucroy	31	19	.292	.390	.385	.774	93	50	5	4	0	2	4
14	C	Hanigan	36	25	.265	.324	.347	.671	66	34	4	1	1	1	2
15	C	Garneau	29	24	.206	.260	.353	.613	49	24	1	1	1	0	0
16	OF	Cardullo	29	7	.143	.250	.143	.393	1	4	0	1	0	0	0
17	OF	Tauchman*	26	8	.190	.346	.190	.537	39	4	0	0	0	0	0
18	C	Murphy	26	9	.042	.115	.083	.199	-49	2	0	0	0	0	1
19	IF	McMahon*	22	2	.133	.350	.200	.550	42	3	1	0	0	0	0
20	IF	Adames#	25	6	.000	.071	.000	.071	-80	0	0	0	0	0	0

- * - bats left-handed, # - bats both, else - bats right, ? - unknown; OPS_lg for OPS+ does not include pitchers.

Pitching Statistics

Table 20: Rockies pitching statistics (1 of 2).

Rk	Pos	Name	Age	W	L	W-L%	ERA	G	GS	GF	CG	SHO	SV	IP	H	R
1	SP	Marquez	22	11	7	.611	4.38	28	28	0	0	0	0	156.0	168	79
2	SP	Freeland*	24	11	10	.524	4.03	30	27	0	0	0	0	152.0	161	75
3	SP	Chatwood	27	8	13	.381	4.56	31	24	3	1	1	1	142.0	129	74
4	SP	Senzatela	22	10	5	.667	4.63	33	20	3	0	0	0	130.1	124	69
5	SP	Gray	25	9	4	.692	3.62	19	19	0	0	0	0	104.1	107	44
6	SP	Hoffman	24	6	5	.545	5.34	21	16	3	0	0	0	97.2	99	59
7	CL	Holland	31	3	6	.333	3.49	60	0	57	0	0	41	56.2	38	23
8	RP	McGee*	30	0	2	.000	3.63	61	0	13	0	0	3	57.0	47	23
9	RP	Oberg	27	0	1	.000	5.14	63	0	11	0	0	0	56.0	68	35
10	RP	Ottavino	31	2	3	.400	5.26	61	0	11	0	0	0	51.1	48	30
11	RP	Dunn*	32	5	1	.833	4.62	65	0	8	0	0	0	48.2	42	25
12		Rusin*	30	5	1	.833	2.70	58	0	7	0	0	2	83.1	75	31
13		Anderson*	27	5	6	.455	5.24	16	14	1	0	0	0	79.0	84	48
14		Lyles	26	0	2	.000	6.94	33	0	12	0	0	0	46.2	61	37
15		Bettis	28	1	4	.200	5.72	8	8	0	0	0	0	39.1	48	26
16		Estevez	24	5	0	1.000	6.14	32	0	8	0	0	0	29.1	38	21
17		Neshek	36	2	1	.667	2.53	27	0	1	0	0	0	21.1	19	8
18		Qualls	38	1	1	.500	5.40	19	0	9	0	0	0	16.2	17	11
19		Rosscup*	29	0	0		5.14	9	0	2	0	0	0	7.0	9	4
20		Diaz	26	0	0		9.00	4	0	3	0	0	0	5.0	12	6
21		Carle	25	0	0		6.75	3	0	3	0	0	0	4.0	6	3

Table 21: Rockies pitching statistics (2 of 2).

Rk	Pos	Name	ER	HR	BB	IBB	SO	HBP	BK	WP	BF	ERA+	FIP	WHIP
1	SP	Marquez	76	24	48	3	145	7	0	5	677	115	4.35	1.385
2	SP	Freeland*	68	17	62	4	107	8	2	1	667	125	4.58	1.467
3	SP	Chatwood	72	20	75	2	115	2	2	12	603	111	4.99	1.437
4	SP	Senzatela	67	18	46	1	100	4	2	1	546	109	4.56	1.304
5	SP	Gray	42	9	30	0	107	2	1	3	437	139	3.14	1.313
6	SP	Hoffman	58	15	36	1	81	4	0	2	424	95	4.72	1.382
7	CL	Holland	22	7	26	1	69	1	0	7	231	145	3.75	1.129
8	RP	McGee*	23	4	16	0	58	1	0	5	228	139	2.92	1.105
9	RP	Oberg	32	4	21	2	55	2	0	3	254	98	3.35	1.589
10	RP	Ottavino	30	8	38	2	60	4	0	7	236	96	5.30	1.675
11	RP	Dunn*	25	8	28	0	55	0	0	4	214	110	4.76	1.438
12		Rusin*	25	9	19	1	70	3	0	4	335	187	3.67	1.128
13		Anderson*	46	16	26	0	76	2	2	6	339	96	4.93	1.392
14		Lyles	36	11	12	1	33	4	0	2	211	73	5.83	1.564
15		Bettis	25	8	10	0	26	1	0	3	174	89	5.31	1.475
16		Estevez	20	3	10	2	28	1	1	1	135	83	3.70	1.636
17		Neshek	6	1	1	0	23	0	0	0	84	202	1.75	0.938
18		Qualls	10	3	5	0	11	0	0	0	72	95	5.07	1.320
19		Rosscup*	4	2	0	0	10	0	0	0	30	102	4.01	1.286
20		Diaz	5	0	5	0	2	1	0	0	30	59	5.95	3.400
21		Carle	3	1	0	0	4	0	0	1	19	80	4.40	1.500

* - throws left-handed

National League Team Standard Batting

Table 22: NL Team Batting statistics (1 of 2).

Tm	#Bat	BatAge	R/G	G	PA	AB	R	H	2B	3B	HR	RBI	SB	CS	BB	SO
WSN	49	29.2	5.10	155	5943	5316	790	1411	299	30	207	768	99	27	514	1254
CHC	47	27.1	5.05	155	6009	5257	783	1346	265	28	213	746	61	30	594	1340
COL	41	28.3	5.03	156	5963	5331	784	1443	282	35	183	755	57	32	490	1367
ARI	45	28.3	4.98	156	5984	5318	777	1351	303	36	212	742	95	28	548	1406
STL	48	28.0	4.76	155	5970	5247	738	1358	279	26	187	706	79	29	569	1287
MIA	43	28.4	4.75	155	5974	5354	736	1419	253	29	189	704	85	29	466	1229
CIN	47	27.1	4.69	156	5985	5276	731	1335	237	37	213	693	117	36	550	1274
LAD	51	28.0	4.68	156	5954	5209	730	1291	297	20	212	691	75	28	619	1340
NYM	52	28.9	4.58	155	5900	5281	710	1327	276	26	218	688	57	21	497	1240
LgAvg	46	28.0	4.58	156	5930	5285	712	1342	269	29	189	681	80	30	512	1301
ATL	49	28.8	4.55	154	5907	5313	701	1399	275	25	158	675	70	31	445	1132
MIL	50	27.4	4.51	156	5908	5272	704	1313	257	22	219	670	125	40	521	1522
PHI	51	26.7	4.21	156	5899	5337	657	1333	278	35	167	625	56	24	464	1364
PIT	47	28.2	4.06	156	5914	5262	633	1282	240	35	146	600	65	36	498	1160
SFG	49	29.5	3.90	156	5908	5345	608	1324	274	26	124	582	74	32	448	1161
SDP	52	26.2	3.79	156	5738	5153	592	1205	218	30	185	565	88	33	451	1443

Table 23: NL Team Batting statistics (2 of 2).

Tm	#Bat	BatAge	R/G	BA	OBP	SLG	OPS	OPS+	TB	GDP	HBP	SH	SF	IBB	LOB
WSN	49	29.2	5.10	0	0.331	0.450	0.781	100	2391	111	28	41	44	54	1042
CHC	47	27.1	5.05	0	0.339	0.439	0.777	100	2306	128	79	47	30	53	1101
COL	41	28.3	5.03	0	0.335	0.440	0.774	89	2344	132	44	57	40	41	1043
ARI	45	28.3	4.98	0	0.328	0.444	0.772	92	2362	102	52	39	26	43	1070
STL	48	28.0	4.76	0	0.336	0.429	0.765	101	2250	132	63	47	44	35	1081
MIA	43	28.4	4.75	0	0.329	0.429	0.758	103	2297	116	64	49	39	46	1078
CIN	47	27.1	4.69	0	0.329	0.433	0.762	98	2285	110	70	49	40	39	1091
LAD	51	28.0	4.68	0	0.333	0.435	0.767	102	2264	112	61	29	35	40	1102
NYM	52	28.9	4.58	0	0.320	0.437	0.757	99	2309	111	54	32	36	30	1042
LgAvg	46	28.0	4.58	0	0.324	0.423	0.748	94	2237	117	56	42	35	39	1063
ATL	49	28.8	4.55	0	0.326	0.414	0.740	94	2198	130	64	54	30	55	1065
MIL	50	27.4	4.51	0	0.321	0.431	0.752	94	2271	109	51	42	22	32	1045
PHI	51	26.7	4.21	0	0.313	0.409	0.722	91	2182	124	45	20	33	25	1034
PIT	47	28.2	4.06	0	0.317	0.386	0.703	84	2030	112	84	41	28	39	1098
SFG	49	29.5	3.90	0	0.307	0.378	0.686	82	2022	129	35	30	50	36	1052
SDP	52	26.2	3.79	0	0.300	0.395	0.696	85	2038	96	51	50	33	19	995

Current Injuries

	Name	Updated	Type	Details
1	Nolan Arenado	September 24 2017	Hand	Arenado is dealing with a bruised right hand near his thumb and his status for Monday's contest against the Marlins is undetermined.
2	Jairo Diaz	September 12 2017	Elbow	Diaz is on the 60-day disabled list with inflammation in his left elbow and will miss the remainder of the season.
3	Carlos Gonzalez	September 24 2017	Shoulder	Gonzalez sat out the last game due to a shoulder injury and his availability for Monday's tilt against the Marlins is undecided.

Table 24: Current Injuries

Topics for Future Articles

Here are a few suggestions, but I would prefer to hear from you, dear reader, on what interests you.

- Player Value - There is much more to cover here. Perhaps we can rank some of the past greats based on their modern day WAR rating?
- What is the OPS+ statistic and how is it calculated.
- Survey MLB ticket prices.
- Are WAR ratings a good indicator of past season's playoff and World Series teams?
- A suggestion from a work colleague that we investigate what budding talent we have in the Rockies farm system. I will look into this and see what I can find.

Let me know what you would like to see in future articles. Send me an email at jdreed@q.com.

Yours truly,

Jim Reed

Appendix

Glossary

Batting Statistics

Statistic Abbreviation	Definition
G	number of games (participated)
PA	plate appearances
AB	at bats
R	runs scored by player or team
RA	runs allowed
H	hits
2B	doubles
3B	triples
HR	home runs
RBI	runs batted in
BA	batting average
OBP	on-base percentage
SLG	slugging percentage
OPS	on-base percentage plus slugging percentage
OPS+	This statistic normalizes a player's OPS. It adjusts for small variables that might affect OPS scores (e.g., park effects).

Pitching Statistics

Pitching Statistic	Definition
Rk	Rank This is a count of the rows from top to bottom. It is recalculated following the sorting of a column.
Pos	Position
Name	Player Name
Age	Player's age at midnight of June 30th of that year
W	Wins
L	Losses
W-L%	Win-Loss Percentage W / (W + L) For players, leaders need one decision for every ten team games. For managers, minimum to qualify for leading is 320 games.
ERA	9 * ER / IP
G	Games Played or Pitched
GS	Games Started
GF	Games Finished
CG	Complete Game
SHO	Shutouts No runs allowed and a complete game.
SV	Saves
IP	Innings Pitched
H	Hits/Hits Allowed
R	Runs Scored/Allowed
ER	Earned Runs Allowed
HR	Home Runs Hit/Allowed
BB	Bases on Balls/Walks
IBB	Intentional Bases on Balls First tracked in 1955.
SO	Strikeouts
HBP	Times Hit by a Pitch.
BK	Balks
WP	Wild Pitches
BF	Batters Faced
ERA+	ERA+ 100*[lgERA/ERA] Adjusted to the player's ballpark(s).
FIP	Fielding Independent Pitching
WHIP	(BB + H)/IP For recent years, leaders need 1 IP per team game played
H9	9 x H / IP For recent years, leaders need 1 IP per team game played
HR9	9 x HR / IP For recent years, leaders need 1 IP per team game played
BB9	9 x BB / IP For recent years, leaders need 1 IP per team game played
SO9	9 x SO / IP For recent years, leaders need 1 IP per team game played
SO/W	SO/W or SO/BB For recent years, pitching leaders need 1 IP per team game played.

Fielding Statistics

Fielding Statistic	Definition
Name	Player Name Bold can mean player is active for this team or player has appeared in MLB * means LHP or LHB, \# means switch hitter, + can mean HOFer.
Age	Player's age at midnight of June 30th of that year
G	Games Played or Pitched
GS	– Games Started
CG	– Complete Game
Inn	– Innings Played in Field
Ch	– Defensive Chances Putouts + Assists + Errors
PO	– Putouts
A	– Assists
E	– Errors Committed
DP	– Double Plays Turned
Fld%	– Fielding Percentage (Putouts + Assists) / (Putouts + Assists + Errors)
Rtot	– Total Zone Total Fielding Runs Above Avg The number of runs above or below average the player was worth based on the number of plays made. This number combines the Rtz, Rdp,Rof, Rcatch numbers into a total defensive contribution. See the glossary section for a more complete explanation. Provided by BaseballProjection.com
Rtot/yr	– Total Zone Total Fielding Runs Above Avg per 1,200 Inn The number of runs above or below average the fielder was worth per 1,200 Innings (approx 135 games). This number combines the Rtz, Rdp, Rof, Rcatch numbers into a total defensive contribution. See the glossary section for a more complete explanation. Provided by BaseballProjection.com
Rdrs	– BIS Defensive Runs Saved Above Avg The number of runs above or below average the player was worth based on the number of plays made. This number combines the Rpm, Rbdp, Rbof, Rbcatch numbers into a total defensive contribution. Provided by Baseball Info Solutions
Rdrs/yr	– BIS Defensive Runs Saved Above Avg per 1,200 Inn The number of runs above or below average the fielder was worth per 1,200 Innings (approx 135 games). This number combines the Rpm, Rbdp, Rbof, Rbcatch numbers into a total defensive contribution. For pitchers, this is set to 200 Innings. Provided by Baseball Info Solutions
RF/9	– Range Factor per 9 Inn 9 * (Putouts + Assists) / Innings Played
RF/G	– Range Factor per Game (Putouts + Assists) / Games Played
PB	– Passed Balls
WP	– Wild Pitches
SB	– Stolen Bases
CS	– Caught Stealing

Fielding Statistic	Definition
CS%	– Caught Stealing Percentage CS / (SB + CS)
lgCS%	– League Caught Stealing Percentage League Expected CS / Players SB + Players CS
PO	– Pickoffs Runner picked off a base. May include cases they were safe on an error. Also includes Pickoff Caught Stealing plays.
Pos	Summary – Positions Played The positions either followed by the games played at that position or in order of games or innings played. For a single season, * indicates they played at least 2/3rds of the team games there Positions after / indicate less than ten games played at those positions. For career, a + sign means more than 300 games at that position and a - sign means less than 30 games.

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