Rockies 2017 - Week #23

Jim Reed (jdreed@q.com)

Monday, September 11, 2017

Figure 1: Rockies activate Tyler Anderson from te disabled list.

Even the smallest act of service, the simplest act of kindness, is a way to honor those we lost, a way to reclaim that spirit of unity that followed 9/11. —President Obama in a 2011 radio address

Table 1: NL West Standings

Tm	W	L	W-L%	GB
Los Angeles Dodgers	92	51	.643	–
Arizona Diamondbacks	83	60	.580	9.0
Colorado Rockies	78	65	.545	14.0
San Diego Padres	65	79	.451	27.5
San Francisco Giants	56	89	.386	37.0

Table 2: Current Rockies Results as of 2017-09-11

Wins	Losses	Win.Pct	Runs	Runs.Ag	Predicted Season Wins
78	65	54.545	733	684	87

Week #23

Well the Rockies are still in the hunt for a playoff Wild Card berth. The Blake Street gang have turned on the the wins this week winning five of six games. The Dodgers are in the middle of a stutter-step,losing ten in a row. Hard to believe, I know.

A lot can happen in the nineteen remaining games. Hang onto your hats, this is what makes baseball so much garsh darn fun this time of year.

Keep thinking positive thoughts.

- **Featured Article**
    - None this week. Returning next week, maybe.
- 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
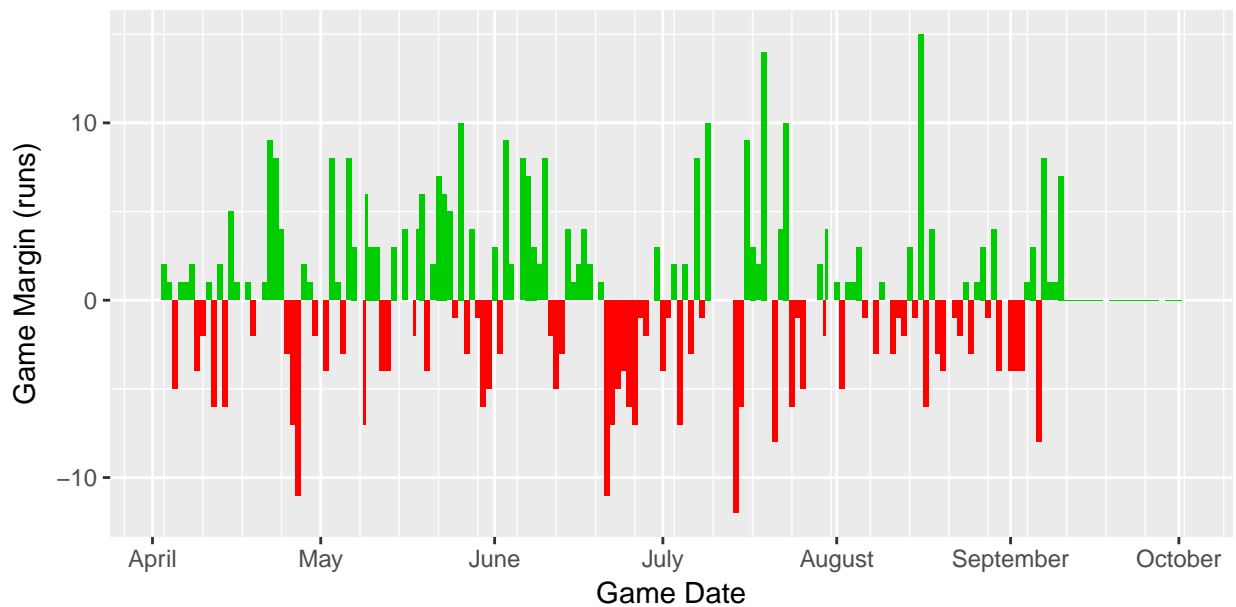
Rockies 2007 Win/Loss Margin
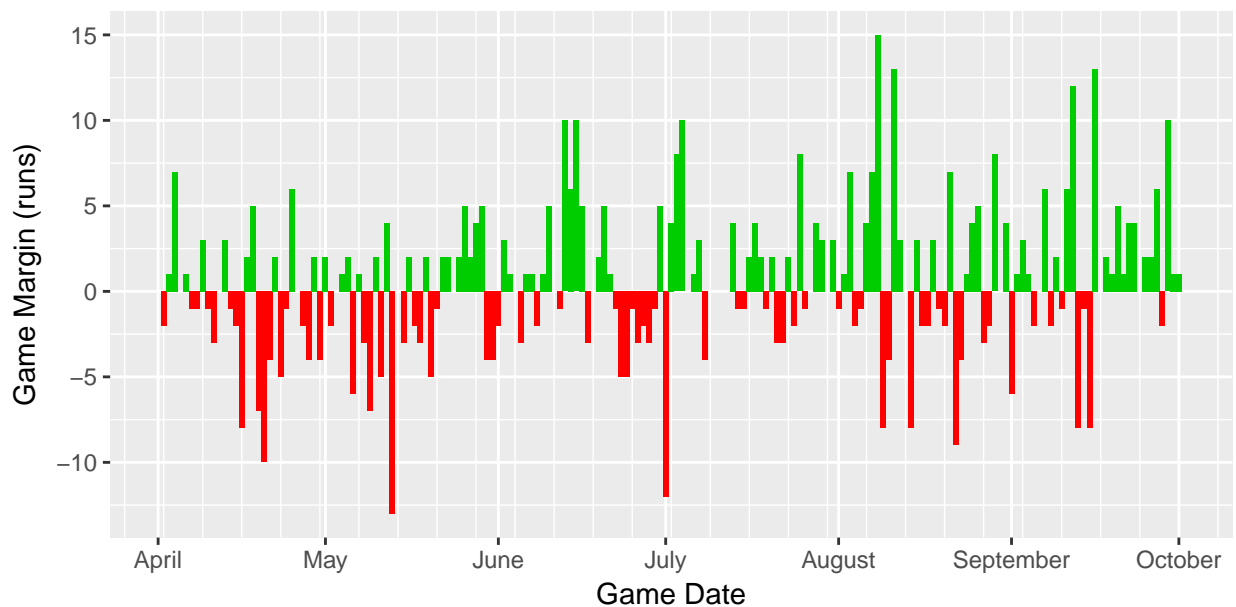
Playoff Odds as Presented by FanGraphs

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	81	62	0.566	0.0	91.9	70.1	0.575	90.4	9.6	100.0	96.2	45.0	23.5	13.9
Yankees	77	65	0.542	3.5	87.9	74.1	0.545	9.6	86.7	96.4	57.5	23.4	9.8	5.0
Orioles	71	72	0.497	10.0	79.4	82.6	0.441	0.0	2.4	2.4	1.2	0.4	0.1	0.1
Rays	71	73	0.493	10.5	80.0	82.0	0.501	0.0	4.8	4.8	2.6	1.2	0.4	0.1
Blue Jays	66	77	0.462	15.0	75.5	86.5	0.499	0.0	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	87	56	0.608	0.0	99.3	62.7	0.647	100	0.0	100.0	100.0	60.5	31.1	19.9
Twins	74	69	0.517	13.0	83.3	78.7	0.490	0	43.4	43.4	18.2	5.1	1.2	0.4
Royals	71	71	0.500	15.5	81.2	80.8	0.509	0	11.3	11.3	4.9	1.5	0.3	0.1
Tigers	60	82	0.423	26.5	68.8	93.2	0.439	0	0.0	0.0	0.0	0.0	0.0	0.0
White Sox	56	86	0.394	30.5	63.3	98.7	0.366	0	0.0	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	86	57	0.601	0.0	97.4	64.6	0.599	100	0.0	100.0	100.0	56.3	31.4	20.2
Angels	73	70	0.510	13.0	82.5	79.5	0.500	0	28.6	28.6	13.7	4.8	1.5	0.6
Rangers	71	71	0.500	14.5	80.3	81.7	0.467	0	7.0	7.0	3.0	0.9	0.2	0.1
Mariners	71	72	0.497	15.0	80.1	81.9	0.481	0	6.0	6.0	2.7	0.9	0.3	0.1
Athletics	63	80	0.441	23.0	72.5	89.5	0.498	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	88	55	0.615	0.0	99.0	63.0	0.577	100	0	100	100	48.9	23.2	8.5
Marlins	68	75	0.476	20.0	77.8	84.2	0.516	0	0	0	0	0.0	0.0	0.0
Braves	64	78	0.451	23.5	73.8	88.2	0.488	0	0	0	0	0.0	0.0	0.0
Mets	63	80	0.441	25.0	71.0	91.0	0.422	0	0	0	0	0.0	0.0	0.0
Phillies	54	89	0.378	34.0	62.1	99.9	0.425	0	0	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	77	66	0.538	0.0	88.2	73.8	0.588	76.9	4.9	81.7	79.5	42.6	22.9	9.9
Cardinals	75	68	0.524	2.0	85.0	77.0	0.524	16.4	9.5	25.9	21.2	9.4	4.0	1.5
Brewers	75	68	0.524	2.0	83.9	78.1	0.468	6.8	5.5	12.3	9.4	3.1	0.9	0.1
Pirates	67	77	0.465	10.5	75.7	86.3	0.484	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reds	62	82	0.431	15.5	69.4	92.6	0.411	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	WS
Dodgers	92	51	0.643	0.0	103.6	58.4	0.613	100	0.0	100.0	100.0	62.5	35.4	15.
Diamondbacks	83	60	0.580	9.0	93.4	68.6	0.545	0	99.9	99.9	52.3	20.3	8.7	2.
Rockies	78	65	0.545	14.0	87.8	74.2	0.513	0	80.2	80.2	37.6	13.1	4.8	1.
Padres	65	79	0.451	27.5	72.3	89.7	0.404	0	0.0	0.0	0.0	0.0	0.0	0.
Giants	56	89	0.386	37.0	63.8	98.2	0.460	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	6.3	11.750
2	Charlie Blackmon	30	5.8	7.300
3	Kyle Freeland	24	3.5	0.535
4	German Marquez	22	3.3	0.535
5	Chris Rusin	30	2.7	0.535
6	DJ LeMahieu	28	2.6	4.800
7	Trevor Story	24	2.1	0.535
8	Jon Gray	25	2.0	0.535
9	Antonio Senzatela	22	2.0	0.535
10	Tyler Chatwood	27	1.9	4.400
11	Greg Holland	31	1.4	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	88	55	.615	–
Miami Marlins	68	75	.476	20.0
Atlanta Braves	64	78	.451	23.5
New York Mets	63	80	.441	25.0
Philadelphia Phillies	54	89	.378	34.0

Table 11: NL Central Standings

Tm	W	L	W-L%	GB
Chicago Cubs	77	66	.538	–
Milwaukee Brewers	75	68	.524	2.0
St. Louis Cardinals	75	68	.524	2.0
Pittsburgh Pirates	67	77	.465	10.5
Cincinnati Reds	62	82	.431	15.5

Table 12: NL West Standings

Tm	W	L	W-L%	GB
Los Angeles Dodgers	92	51	.643	–
Arizona Diamondbacks	83	60	.580	9.0
Colorado Rockies	78	65	.545	14.0
San Diego Padres	65	79	.451	27.5
San Francisco Giants	56	89	.386	37.0

American League Standings

Table 13: AL East Standings

Tm	W	L	W-L%	GB
Boston Red Sox	81	62	.566	–
New York Yankees	77	65	.542	3.5
Baltimore Orioles	71	72	.497	10.0
Tampa Bay Rays	71	73	.493	10.5
Toronto Blue Jays	66	77	.462	15.0

Table 14: AL Central Standings

Tm	W	L	W-L%	GB
Cleveland Indians	87	56	.608	–
Minnesota Twins	74	69	.517	13.0
Kansas City Royals	71	71	.500	15.5
Detroit Tigers	60	82	.423	26.5
Chicago White Sox	56	86	.394	30.5

Table 15: AL West Standings

Tm	W	L	W-L%	GB
Houston Astros	86	57	.601	–
Los Angeles Angels	73	70	.510	13.0
Texas Rangers	71	71	.500	14.5
Seattle Mariners	71	72	.497	15.0
Oakland Athletics	63	80	.441	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	-
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	-
50	Fri	May 26	H	STL	W	10	0	Senzatela	Martinez		N	+

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
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	—
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	+
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	+
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	–

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
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	-
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	-
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	++++

The Rockies current record is 78 Wins and 65 Losses. So far, the Rockies have scored 733 runs and have had 684 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	75	219	30	52	8	1	0	15	0	1	31
2	1B	Reynolds	33	133	470	77	127	19	1	29	93	2	1	65
3	2B	LeMahieu	28	136	539	87	169	27	2	7	59	6	5	54
4	SS	Story	24	126	432	58	99	26	1	21	68	5	0	45
5	3B	Arenado	26	140	546	89	169	41	7	32	119	3	2	51
6	LF	Parra*	30	100	339	54	112	22	0	10	67	1	5	18
7	CF	Blackmon*	30	141	576	128	195	31	14	34	89	13	8	57
8	RF	Gonzalez*	31	120	418	58	106	29	0	10	48	3	0	48
9	UT	Desmond	31	76	280	38	77	9	1	5	33	12	4	18
10	IF	Valaika	24	99	168	26	42	10	0	11	34	0	0	6
11	UT	Amarista*	28	87	157	18	37	10	0	3	19	1	0	6
12	OF	Tapia*	23	56	140	24	40	9	2	2	13	5	2	8
13	C	Lucroy	31	29	91	8	25	5	1	1	8	0	0	15
14	C	Hanigan	36	29	96	8	24	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	C	Murphy	26	11	24	1	1	1	0	0	1	0	0	2
18	OF	Tauchman*	26	19	16	1	3	0	0	0	1	0	1	5
19	IF	McMahon*	22	11	15	1	2	1	0	0	1	0	0	4
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	54	.237	.337	.283	.620	56	62	9	2	2	0	9
2	1B	Reynolds	33	159	.270	.358	.500	.858	109	235	11	1	0	3	0
3	2B	LeMahieu	28	76	.314	.378	.410	.788	95	221	21	5	3	5	1
4	SS	Story	24	174	.229	.304	.440	.744	81	190	8	2	0	1	4
5	3B	Arenado	26	99	.310	.370	.586	.956	131	320	20	4	1	5	7
6	LF	Parra*	30	58	.330	.362	.484	.846	106	164	10	4	0	9	0
7	CF	Blackmon*	30	122	.339	.405	.618	1.023	147	356	4	9	3	3	7
8	RF	Gonzalez*	31	103	.254	.329	.395	.724	78	165	6	2	0	6	3
9	UT	Desmond	31	74	.275	.325	.368	.692	71	103	10	4	2	3	1
10	IF	Valaika	24	49	.250	.274	.506	.780	86	85	1	0	5	1	0
11	UT	Amarista*	28	35	.236	.264	.357	.620	51	56	3	0	1	0	0
12	OF	Tapia*	23	32	.286	.333	.421	.755	85	59	0	2	1	0	1
13	C	Lucroy	31	14	.275	.393	.385	.777	94	35	4	4	0	2	2
14	C	Hanigan	36	25	.250	.311	.333	.645	60	32	4	1	1	1	2
15	C	Garneau	29	24	.206	.260	.353	.613	50	24	1	1	1	0	0
16	OF	Cardullo	29	7	.143	.250	.143	.393	2	4	0	1	0	0	0
17	C	Murphy	26	9	.042	.115	.083	.199	-49	2	0	0	0	0	1
18	OF	Tauchman*	26	5	.188	.381	.188	.568	48	3	0	0	0	0	0
19	IF	McMahon*	22	2	.133	.316	.200	.516	32	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	Freeland*	24	11	10	.524	3.99	27	26	0	0	0	0	146.2	155	72
2	SP	Marquez	22	10	6	.625	4.27	25	25	0	0	0	0	141.1	144	70
3	SP	Chatwood	27	7	12	.368	4.70	29	22	3	1	1	1	130.1	120	70
4	SP	Senzatela	22	10	5	.667	4.74	29	20	3	0	0	0	127.1	122	69
5	SP	Hoffman	24	6	5	.545	5.48	18	16	1	0	0	0	93.2	98	58
6	SP	Gray	25	7	4	.636	4.07	16	16	0	0	0	0	86.1	93	41
7	CL	Holland	31	3	5	.375	3.76	56	0	53	0	0	39	52.2	37	22
8	RP	McGee*	30	0	2	.000	3.54	55	0	12	0	0	3	53.1	44	21
9	RP	Oberg	27	0	1	.000	5.12	57	0	11	0	0	0	51.0	63	32
10	RP	Ottavino	31	2	3	.400	5.33	58	0	9	0	0	0	49.0	46	29
11	RP	Dunn*	32	5	1	.833	4.69	61	0	8	0	0	0	48.0	41	25
12		Rusin*	30	5	0	1.000	2.33	52	0	5	0	0	1	77.1	64	25
13		Anderson*	27	3	5	.375	6.11	13	12	1	0	0	0	63.1	75	45
14		Lyles	26	0	2	.000	6.94	33	0	12	0	0	0	46.2	61	37
15		Bettis	28	1	2	.333	4.98	6	6	0	0	0	0	34.1	38	20
16		Estevez	24	5	0	1.000	5.88	26	0	8	0	0	0	26.0	34	18
17		Qualls	38	1	1	.500	5.40	19	0	9	0	0	0	16.2	17	11
18		Neshek	36	2	1	.667	2.25	21	0	1	0	0	0	16.0	13	6
19		Diaz	26	0	0		9.00	4	0	3	0	0	0	5.0	12	6
20		Rosscup*	29	0	0		8.31	6	0	1	0	0	0	4.1	7	4
21		Carle	25	0	0		9.00	2	0	2	0	0	0	3.0	5	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	Freeland*	65	17	57	3	102	8	2	1	642	126	4.59	1.445
2	SP	Marquez	67	21	44	3	136	7	0	4	609	117	4.24	1.330
3	SP	Chatwood	68	18	72	2	108	2	2	11	557	107	4.99	1.473
4	SP	Senzatela	67	18	45	1	95	4	2	1	534	106	4.65	1.312
5	SP	Hoffman	57	15	34	1	75	4	0	2	409	92	4.84	1.409
6	SP	Gray	39	8	28	0	82	1	1	3	369	123	3.46	1.402
7	CL	Holland	22	7	24	1	62	1	0	6	214	134	3.94	1.158
8	RP	McGee*	21	4	15	0	54	1	0	5	213	142	3.00	1.106
9	RP	Oberg	29	3	19	2	52	2	0	3	233	98	3.11	1.608
10	RP	Ottavino	29	8	35	2	57	4	0	7	225	94	5.33	1.653
11	RP	Dunn*	25	8	26	0	55	0	0	2	208	107	4.65	1.396
12		Rusin*	20	7	19	1	66	1	0	4	305	216	3.39	1.073
13		Anderson*	43	15	23	0	63	2	2	3	281	82	5.42	1.547
14		Lyles	36	11	12	1	33	4	0	2	211	72	5.83	1.564
15		Bettis	19	8	5	0	23	1	0	2	145	101	5.36	1.252
16		Estevez	17	2	9	2	23	1	1	1	120	86	3.53	1.654
17		Qualls	10	3	5	0	11	0	0	0	72	94	5.07	1.320
18		Neshek	4	1	1	0	16	0	0	0	62	226	2.15	0.875
19		Diaz	5	0	5	0	2	1	0	0	30	59	5.95	3.400
20		Rosscup*	4	2	0	0	7	0	0	0	20	64	5.92	1.615
21		Carle	3	1	0	0	4	0	0	1	15	61	4.81	1.667

* - 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	5.23	143	5510	4922	748	1326	280	26	196	726	95	24	480	1150
COL	41	28.3	5.13	143	5486	4898	733	1335	263	30	170	706	51	29	453	1261
ARI	45	28.3	4.97	143	5496	4886	710	1242	276	34	193	676	90	26	503	1316
CHC	46	27.1	4.94	143	5531	4854	707	1226	242	26	199	671	54	25	536	1235
CIN	45	27.2	4.76	144	5558	4894	686	1249	223	33	197	653	116	31	516	1161
LAD	51	27.9	4.76	143	5462	4785	681	1200	270	17	195	643	66	26	566	1231
STL	47	28.1	4.74	143	5490	4837	678	1253	255	25	174	648	66	28	512	1196
MIA	43	28.4	4.64	143	5476	4910	663	1293	228	27	171	634	78	27	423	1123
NYM	51	29.1	4.64	143	5439	4869	663	1219	257	24	207	642	45	19	458	1128
ATL	49	28.9	4.63	142	5474	4914	657	1303	258	23	147	631	65	28	417	1038
LgAvg	45	28.0	4.60	143	5470	4875	659	1241	249	27	175	630	73	28	471	1197
MIL	49	27.3	4.53	143	5403	4827	648	1197	236	21	202	615	111	36	465	1401
PHI	48	26.8	4.16	143	5408	4897	595	1227	256	34	152	567	54	24	423	1247
PIT	45	28.3	4.12	144	5479	4868	593	1192	223	30	137	562	59	32	468	1066
SFG	49	29.5	3.96	145	5522	4991	574	1231	262	24	116	549	68	32	427	1071
SDP	48	26.2	3.86	144	5309	4767	556	1117	201	29	171	531	78	28	416	1336

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	5.23	0	0.335	0.456	0.791	102	2246	103	24	40	44	52	972
COL	41	28.3	5.13	0	0.337	0.443	0.780	91	2168	116	42	53	39	38	962
ARI	45	28.3	4.97	0	0.329	0.443	0.772	92	2165	89	49	35	23	41	990
CHC	46	27.1	4.94	0	0.335	0.436	0.771	99	2117	115	76	37	26	46	1014
CIN	45	27.2	4.76	0	0.332	0.435	0.767	99	2129	102	64	47	37	36	1027
LAD	51	27.9	4.76	0	0.335	0.437	0.771	102	2089	105	52	27	31	34	1004
STL	47	28.1	4.74	0	0.335	0.430	0.765	100	2080	122	58	42	41	30	982
MIA	43	28.4	4.64	0	0.328	0.425	0.753	100	2088	108	62	45	34	43	987
NYM	51	29.1	4.64	0	0.319	0.441	0.760	98	2145	102	50	28	34	30	955
ATL	49	28.9	4.63	0	0.329	0.417	0.745	95	2048	124	61	53	28	51	988
LgAvg	45	28.0	4.60	0	0.325	0.424	0.749	94	2068	107	53	39	32	36	980
MIL	49	27.3	4.53	0	0.319	0.431	0.750	93	2081	96	49	41	21	27	948
PHI	48	26.8	4.16	0	0.314	0.410	0.723	91	2007	112	40	19	29	23	955
PIT	45	28.3	4.12	0	0.320	0.387	0.707	85	1886	109	79	38	25	36	1020
SFG	49	29.5	3.96	0	0.308	0.378	0.686	82	1889	117	34	27	43	36	986
SDP	48	26.2	3.86	0	0.301	0.396	0.697	85	1889	88	48	48	30	18	917

Current Injuries

	Name	Updated	Type	Details
1	Jairo Diaz	September 10 2017	Undisclosed	Diaz is on the 60-day disabled list with an unknown injury ending his season.

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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