

Rockies 2018 - Week #2

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Monday, April 16, 2018

Colorado Rockies Statistics Snapshot

Table 1: NL West Standings

Tm	W	L	W-L%	GB
Arizona Diamondbacks	11	4	.733	—
Colorado Rockies	9	8	.529	3.0
San Diego Padres	7	10	.412	5.0
San Francisco Giants	6	9	.400	5.0
Los Angeles Dodgers	5	9	.357	5.5

Table 2: Current Rockies Results as of 2018-04-16

Wins	Losses	Win.Pct	Runs	Runs.Ag	Predicted Season Wins
9	8	52.941	66	76	70

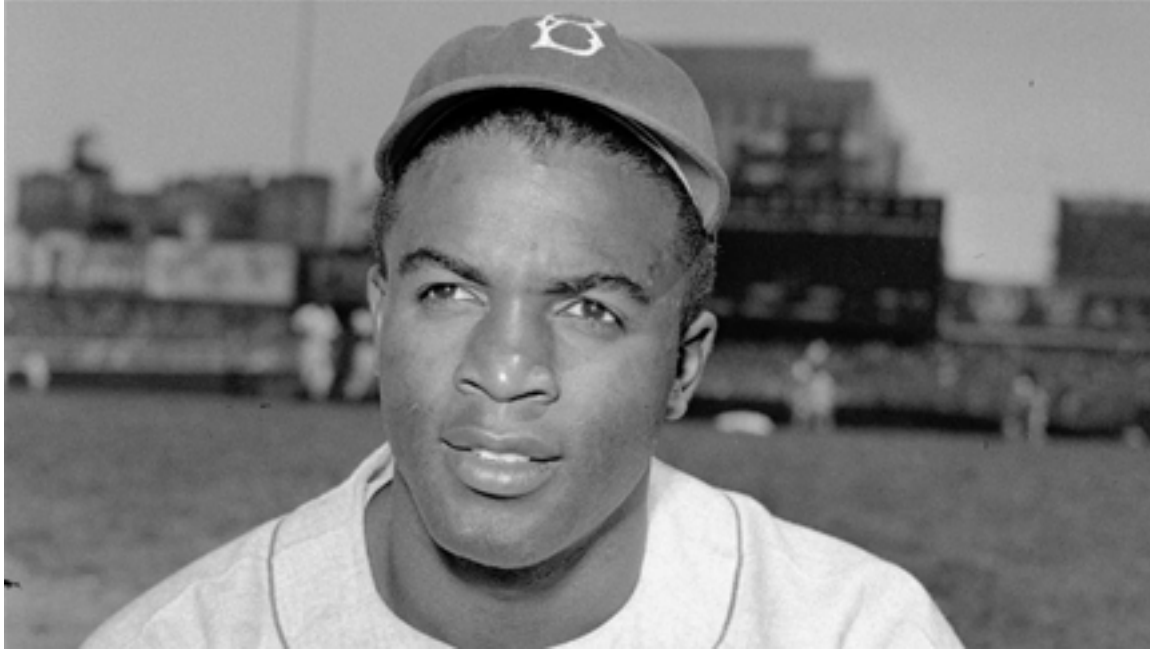


Figure 1: Jackie Robinson was honored at Nationals Park on April 15, 2018. Both the Nationals and the Colorado Rockies took part in the celebration. Representative John Lewis threw out the first pitch.

Colorado Rockies Weekly Newsletter



A life is not important except in the impact it has on other lives. ~ Jackie Robinson

Week #1

- **Colorado Rockies Dashboard**
 - Rockies Win/Loss Graphs for 2018 and 2007
 - 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**

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 next year.

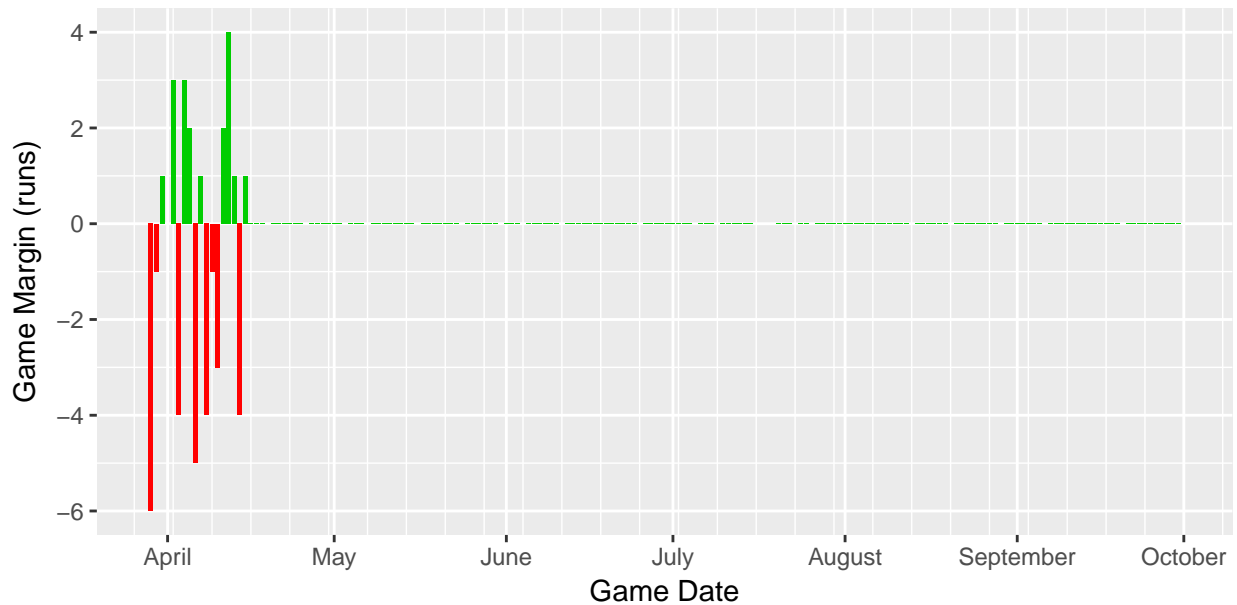
Colorado Rockies Dashboard

Win Loss Margin

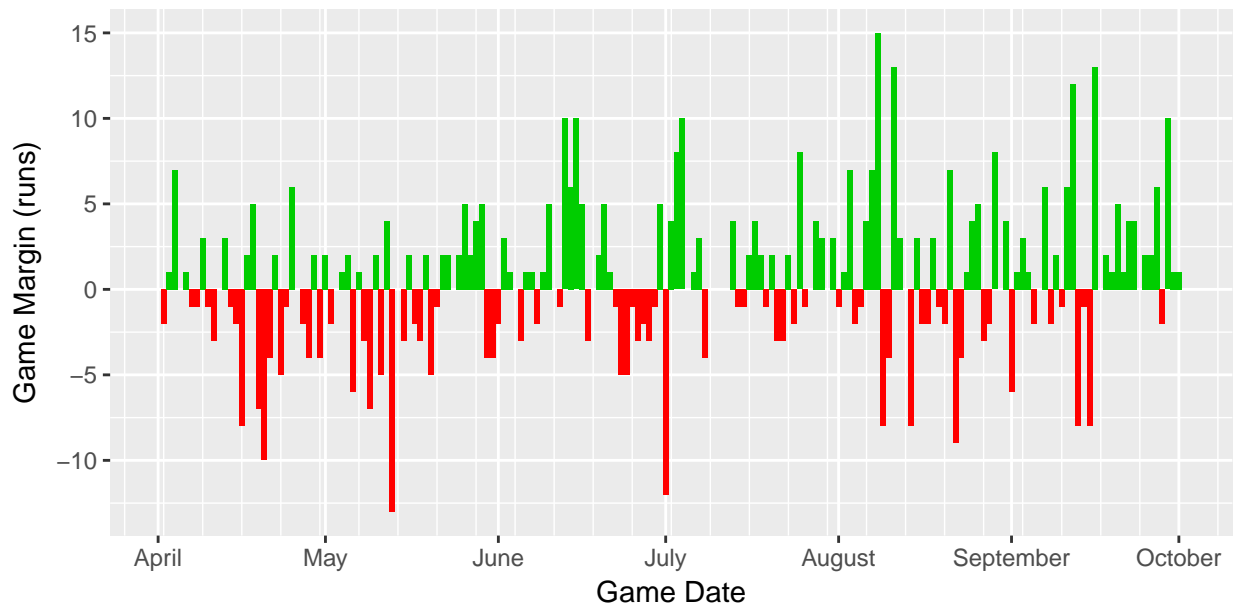
One of the many ways to visualize a teams performance is to show wins and losses as the margin of the win (positive) or loss (negative). In the graphs below, we show the current season performance. For emphasis, wins are displayed in green (above the zero) and losses in red (below the zero).

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 2018 Win/Loss Margin



Rockies 2007 Win/Loss Margin



Top Twelve Rockies Players as Measured by WAR

While early in the season, we will pull this data frequently.

Table 3: Rockies Top 12 Players (WAR)

Rank	Name	Age	WAR
1	DJ LeMahieu	29	1.0
2	Chad Bettis	29	0.8
3	Charlie Blackmon	31	0.8
4	Adam Ottavino	32	0.5
5	Wade Davis	32	0.3
6	Scott Oberg	28	0.3
7	Nolan Arenado	27	0.2
8	Kyle Freeland	25	0.2
9	Jake McGee	31	0.2
10	Gerardo Parra	31	0.2
11	Mike Dunn	33	0.1
12	German Marquez	23	0.1

National League Standings

Table 4: NL East Standings

Tm	W	L	W-L%	GB
New York Mets	12	2	.857	–
Philadelphia Phillies	9	5	.643	3.0
Atlanta Braves	8	6	.571	4.0
Washington Nationals	7	9	.438	6.0
Miami Marlins	4	11	.267	8.5

Table 5: NL Central Standings

Tm	W	L	W-L%	GB
Pittsburgh Pirates	11	4	.733	–
St. Louis Cardinals	9	7	.563	2.5
Chicago Cubs	7	7	.500	3.5
Milwaukee Brewers	8	8	.500	3.5
Cincinnati Reds	2	13	.133	9.0

Table 6: NL West Standings

Tm	W	L	W-L%	GB
Arizona Diamondbacks	11	4	.733	–
Colorado Rockies	9	8	.529	3.0
San Diego Padres	7	10	.412	5.0
San Francisco Giants	6	9	.400	5.0
Los Angeles Dodgers	5	9	.357	5.5

American League Standings

Table 7: AL East Standings

Tm	W	L	W-L%	GB
Boston Red Sox	13	2	.867	–
Toronto Blue Jays	9	5	.643	3.5
New York Yankees	7	7	.500	5.5
Baltimore Orioles	5	11	.313	8.5
Tampa Bay Rays	3	12	.200	10.0

Table 8: AL Central Standings

Tm	W	L	W-L%	GB
Minnesota Twins	7	4	.636	–
Cleveland Indians	8	6	.571	0.5
Chicago White Sox	4	8	.333	3.5
Detroit Tigers	4	9	.308	4.0
Kansas City Royals	3	10	.231	5.0

Table 9: AL West Standings

Tm	W	L	W-L%	GB
Los Angeles Angels	13	3	.813	–
Houston Astros	10	6	.625	3.0
Seattle Mariners	8	5	.615	3.5
Oakland Athletics	6	10	.375	7.0
Texas Rangers	6	11	.353	7.5

Rockies Game-by-Game Schedule/Results

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
1	Thu	Mar 29	A	ARI	L	2	8	Corbin	Gray		N	-
2	Fri	Mar 30	A	ARI	L	8	9	Ray	Senzatela	Boxberger	N	-
3	Sat	Mar 31	A	ARI	W	2	1	Shaw	Salas	Davis	N	+
4	Mon	Apr 2	A	SDP	W	7	4	Bettis	Mitchell	Davis	N	++
5	Tue	Apr 3	A	SDP	L	4	8	Ross	Freeland	Hand	N	-
6	Wed	Apr 4	A	SDP	W	5	2	Gray	Richard	Davis	N	+
7	Thu	Apr 5	A	SDP	W	3	1	Ottavino	Hand	Davis	D	++
8	Fri	Apr 6	H	ATL	L	3	8	McCarthy	Marquez		D	-
9	Sat	Apr 7	H	ATL	W-wo	3	2	Ottavino	Vizcaino		N	+
10	Sun	Apr 8	H	ATL	L	0	4	Newcomb	Freeland		D	-
11	Mon	Apr 9	H	SDP	L	6	7	Richard	Gray	Hand	N	-
12	Tue	Apr 10	H	SDP	L	2	5	Lucchesi	Shaw	Hand	N	—
13	Wed	Apr 11	H	SDP	W	6	4	Senzatela	Baumann	Davis	D	+
14	Thu	Apr 12	A	WSN	W	5	1	Bettis	Gonzalez		N	++
15	Fri	Apr 13	A	WSN	W	2	1	Oberg	Roark	Davis	N	+++
16	Sat	Apr 14	A	WSN	L	2	6	Scherzer	Gray		D	-
17	Sun	Apr 15	A	WSN	W	6	5	Ottavino	Doolittle	Davis	D	+

The Rockies current record is 9 Wins and 8 Losses. So far, the Rockies have scored 66 runs and have had 76 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 11: Predicted Wins for Entire 2017 Season

Wins (k=1.81)	Wins (k=1.83)	Wins (k=2.00)
71	71	70

Batting Statistics (non-pitchers)

Table 12: Rockies Batting Statistics (1 of 2).

Rk	Pos	Name	Age	G	AB	R	H	2B	3B	HR	RBI	SB	CS	BB
1	C	Iannetta	35	13	44	6	12	2	0	1	5	0	0	7
2	1B	Desmond	32	16	58	7	11	1	0	4	10	1	0	1
3	2B	LeMahieu	29	17	68	11	21	5	0	5	9	1	0	8
4	SS	Story	25	17	62	6	11	2	0	3	6	2	0	6
5	3B	Arenado	27	15	52	5	15	4	1	1	6	1	1	9
6	LF	Parra*	31	16	52	7	12	1	0	1	2	0	1	5
7	CF	Blackmon*	31	12	47	12	14	3	0	6	11	1	1	7
8	RF	Gonzalez*	32	17	59	7	14	2	1	3	10	2	0	2
9	CI	Valaika	25	15	31	0	2	1	0	0	1	0	0	1
10	CI	McMahon*	23	15	26	1	2	0	0	0	1	0	0	3
11	C	Wolters*	26	6	17	1	3	0	0	0	3	0	0	3
12	CF	Tauchman*	27	11	15	1	1	0	0	0	0	0	0	1

Table 13: Rockies Batting Statistics (2 of 2).

Rk	Pos	Name	Age	SO	BA	OBP	SLG	OPS	OPS+	TB	GDP	HBP	SH	SF	IBB
1	C	Iannetta	35	14	.273	.373	.386	.759	99	17	1	0	0	0	0
2	1B	Desmond	32	18	.190	.200	.414	.614	55	24	3	0	0	1	0
3	2B	LeMahieu	29	11	.309	.382	.603	.985	152	41	2	0	0	0	0
4	SS	Story	25	26	.177	.261	.355	.616	59	22	0	1	0	0	0
5	3B	Arenado	27	11	.288	.387	.462	.849	121	24	2	0	0	1	2
6	LF	Parra*	31	8	.231	.298	.308	.606	59	16	0	0	1	0	1
7	CF	Blackmon*	31	11	.298	.389	.745	1.134	188	35	1	0	0	0	0
8	RF	Gonzalez*	32	17	.237	.258	.458	.716	82	27	0	0	0	1	0
9	CI	Valaika	25	8	.065	.094	.097	.191	-50	3	1	0	0	0	0
10	CI	McMahon*	23	13	.077	.172	.077	.249	-32	2	0	0	0	0	0
11	C	Wolters*	26	7	.176	.300	.176	.476	29	3	1	0	0	0	0
12	CF	Tauchman*	27	8	.067	.125	.067	.192	-48	1	0	0	1	0	0

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

Pitching Statistics

Table 14: 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	Gray	26	1	3	.250	6.23	4	4	0	0	0	0	21.2	28	15
2	SP	Anderson*	28	0	0		4.74	4	4	0	0	0	0	19.0	18	12
3	SP	Bettis	29	2	0	1.000	2.04	3	3	0	0	0	0	17.2	12	4
4	SP	Freeland*	25	0	2	.000	4.50	3	3	0	0	0	0	16.0	16	8
5	SP	Marquez	23	0	1	.000	4.97	3	3	0	0	0	0	12.2	12	8
6	CL	Davis	32	0	0		2.45	8	0	7	0	0	7	7.1	3	2
7	RP	Ottavino	32	3	0	1.000	0.93	9	0	3	0	0	0	9.2	2	1
8	RP	Shaw	30	1	1	.500	3.86	10	0	1	0	0	0	9.1	11	4
9	RP	McGee*	31	0	0		2.25	8	0	1	0	0	0	8.0	3	3
10	RP	Dunn*	33	0	0		3.86	7	0	1	0	0	0	4.2	5	2
11		Rusin*	31	0	0		7.00	6	0	1	0	0	0	9.0	9	7
12		Senzatela	23	1	1	.500	8.64	6	0	0	0	0	0	8.1	11	9
13		Oberg	28	1	0	1.000	1.35	6	0	3	0	0	0	6.2	4	1

Table 15: Rockies pitching statistics (2 of 2).

Rk	Pos	Name	ER	HR	BB	IBB	SO	HBP	BK	WP	BF	ERA+	FIP	WHIP
1	SP	Gray	15	3	5	1	23	1	0	1	97	71	3.57	1.523
2	SP	Anderson*	10	3	12	0	21	0	0	3	85	94	4.80	1.579
3	SP	Bettis	4	2	8	0	12	1	0	2	70	219	4.70	1.132
4	SP	Freeland*	8	4	7	0	15	0	0	0	69	99	5.75	1.438
5	SP	Marquez	7	1	10	2	10	1	0	1	60	90	5.11	1.737
6	CL	Davis	2	1	3	0	9	0	0	0	27	187	3.60	0.818
7	RP	Ottavino	1	0	1	0	20	2	0	1	31	487	-0.15	0.310
8	RP	Shaw	4	2	3	0	6	0	0	1	40	118	5.52	1.500
9	RP	McGee*	2	1	2	0	7	0	0	0	28	203	3.68	0.625
10	RP	Dunn*	2	0	3	0	1	0	0	0	20	122	4.56	1.714
11		Rusin*	7	2	5	0	5	0	0	1	39	65	6.50	1.556
12		Senzatela	8	2	2	0	6	1	0	0	39	53	5.82	1.560
13		Oberg	1	0	3	0	6	2	0	0	29	341	3.51	1.050

* - throws left-handed

National League Team Standard Batting

Table 16: 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
ATL	30	28.3	5.86	14	577	500	82	135	37	2	16	78	9	4	60	113
PIT	26	28.5	5.80	15	590	520	87	141	29	4	19	82	8	7	55	102
PHI	26	26.3	5.64	14	550	473	79	109	28	1	16	78	12	5	63	134
CHC	26	27.1	5.14	14	589	512	72	122	31	6	15	65	4	2	57	133
ARI	28	28.9	5.13	15	580	510	77	119	31	6	17	75	8	2	60	148
NYM	30	29.4	4.64	14	532	455	65	106	24	3	15	61	3	4	61	130
STL	30	28.7	4.62	16	617	544	74	133	19	0	24	72	9	6	58	146
LgAvg	28	28.4	4.33	15	590	521	66	124	25	2	16	62	8	3	55	137
WSN	28	28.7	4.19	16	638	542	67	126	27	1	19	62	18	4	80	137
COL	25	29.0	3.88	17	622	561	66	122	21	2	24	64	8	3	53	165
SDP	31	27.4	3.88	17	639	576	66	135	29	4	19	62	7	3	50	160
LAD	27	28.1	3.86	14	560	503	54	120	23	1	12	50	3	3	47	115
MIL	31	28.6	3.50	16	621	565	56	134	27	0	18	54	11	3	43	151
MIA	28	27.6	3.27	15	599	537	49	122	16	2	8	44	4	2	47	136
SFG	28	30.8	3.07	15	569	516	46	126	18	2	13	42	9	2	41	141
CIN	31	27.8	2.93	15	566	501	44	112	16	1	11	41	9	1	51	143

Table 17: NL Team Batting statistics (2 of 2).

Tm	#Bat	BatAge	R/G	BA	OBP	SLG	OPS	OPS+	TB	GDP	HBP	SH	SF	IBB	LOB
ATL	30	28.3	5.86	0.270	0.353	0.448	0.801	122	224	12	6	8	3	6	109
PIT	26	28.5	5.80	0.271	0.343	0.452	0.795	119	235	6	5	3	6	6	98
PHI	26	26.3	5.64	0.230	0.321	0.395	0.716	100	187	6	3	3	7	6	91
CHC	26	27.1	5.14	0.238	0.332	0.410	0.742	100	210	8	15	3	1	9	118
ARI	28	28.9	5.13	0.233	0.315	0.418	0.733	93	213	8	3	3	4	2	94
NYM	30	29.4	4.64	0.233	0.333	0.398	0.731	104	181	13	9	3	4	8	96
STL	30	28.7	4.62	0.244	0.321	0.412	0.733	103	224	12	6	3	6	2	108
LgAvg	28	28.4	4.33	0.238	0.316	0.390	0.706	94	203	11	6	4	4	4	107
WSN	28	28.7	4.19	0.232	0.338	0.391	0.729	99	212	11	8	4	4	7	130
COL	25	29.0	3.88	0.217	0.285	0.390	0.675	74	219	11	1	4	3	3	98
SDP	31	27.4	3.88	0.234	0.306	0.398	0.704	99	229	12	10	2	1	2	114
LAD	27	28.1	3.86	0.239	0.303	0.360	0.663	84	181	12	2	3	5	3	104
MIL	31	28.6	3.50	0.237	0.297	0.381	0.678	85	215	12	6	5	2	3	118
MIA	28	27.6	3.27	0.227	0.299	0.309	0.608	75	166	14	9	3	2	4	113
SFG	28	30.8	3.07	0.244	0.300	0.362	0.662	85	187	13	2	5	5	5	108
CIN	31	27.8	2.93	0.224	0.302	0.325	0.627	74	163	13	6	6	2	1	111

Current Injuries

Table 18: Rockies Current Injuries

Name	Updated	Type	Details
Nolan Arenado	April 14 2018	Suspension	Arenado has been given a five-game suspension for his role in an altercation
Carlos Estevez	April 11 2018	Oblique	Estevez is battling a left oblique strain and has been placed on the 10-day
Jeff Hoffman	March 29 2018	Shoulder	Hoffman has been placed on the 10-day disabled list with right shoulder in
Gerardo Parra	April 14 2018	Suspension	Parra has been suspended four games for his role in an altercation. He is a
Zac Rosscup	April 11 2018	Finger	Rosscup is on the 10-day disabled list dealing with a left middle finger blis

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