

Hitter and Pitcher Projections from
The Bill James Handbook 2010

Baseball Info Solutions

www.baseballinfosolutions.com



Published by ACTA Sports

A Division of ACTA Publications



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Hitter Projections

Bill James

Johnny Carson, in the thirty years that he ruled late-night television, used to do a bit called “Carnac” or “Carnac the Magnificent”. Carnac was a mystic and seer who knew the answers to questions before the questions were even asked, but it was a transparent charade, which was really just a way of telling jokes backward. That is, rather than asking “What is the difference between Brad Lidge and a serial arsonist?” and then saying “Red pinstripes”, he would hold the envelope to his temple and say “Red pinstripes”, then open the envelope and read the “question”.

This is rather like Carnac. We are in the business of projecting next year’s performance, but our pose as prophets is a transparent charade, by which we don’t really intend to fool anyone. And, to ensure that we don’t fool anyone, let us begin by looking back at some of last season’s projections. We had projected that Eric Chavez would play in 144 games and hit 25 homers, driving in 87 runs. He missed those numbers by. . .well, all of them:

Eric Chavez

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	8	30	0	3	1	0	0	1	1	7	0	100	133
Projected	144	555	80	143	34	1	25	87	67	117	4	258	458

That was our worst projection of the 2009 Handbook, but only because one can’t do much worse. We did almost as poorly on our projections for Jed Lowrie, Troy Glaus and Joaquin Arias.

Jed Lowrie

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	32	68	5	10	2	0	2	11	6	20	0	147	265
Projected	148	544	79	150	37	5	10	83	76	114	3	276	417

Troy Glaus

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	14	29	2	5	2	0	0	2	3	8	0	172	241
Projected	148	539	83	140	29	1	31	97	87	123	1	260	490

Joaquin Arias

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	3	8	0	0	0	0	0	0	0	3	0	0	0
Projected	138	415	49	116	17	7	5	39	16	48	21	280	390

Those were our four worst projections for 2009, all of which amounted to projecting playing time for players who didn't actually play. Those kind of problems are magnified by a policy that I personally defend, but which most of the people here at BIS don't actually like. I always argue that when a player *might* have playing time, we should project that he *will* have playing time.

It is always my argument that we have no chance of figuring out, in October, 2009, who will get playing time in 2010. We can foresee the broad strokes of that, but we have no chance of guessing right on the small brushwork. We make these projections before the free agent signings, before the trades, before the Arizona Fall League, before spring training. We cannot see through the haze that all of that creates, and we shouldn't try.

What we should do is try to answer this question: If this player plays, how will he play? If Joshua Bell opens the 2010 season as the Baltimore Orioles third baseman, what will he hit? That's the question we should be focused on. Whether Bell will or will not get a chance to play next season, when his chance might come. . .we don't have a fair chance to get that one right. Our job is to figure out how good he will be, when and if his ticket arrives. So sometimes we wind up projecting playing time for players like Joaquin Arias, who then don't play. That's my fault; that's my decision.

Those aren't the only times we miss, of course. Sometimes we project that a player will play, and he does play, but we're just totally wrong about his performance. Like this:

Chris Davis

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	113	391	48	93	15	1	21	59	24	150	0	238	442
Projected	158	566	107	171	42	3	40	118	43	147	8	302	599

I'm not sure why we had Davis projected to hit .302; that probably wasn't too bright. The 40 homers, I can see; the .302 average, not sure where that came from. But we missed on some other players:

Kelly Johnson

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	106	303	47	68	20	3	8	29	32	54	7	224	389
Projected	139	518	84	147	34	6	15	67	63	101	10	284	459

Geovany Soto

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	102	331	27	72	19	1	11	47	50	77	1	218	381
Projected	141	515	71	151	35	1	23	89	62	118	0	293	499

Jay Bruce

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	101	345	47	77	15	2	22	58	38	75	3	223	470
Projected	159	587	94	174	30	4	35	90	46	145	12	296	540

Garrett Atkins

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	126	354	37	80	12	1	9	48	41	58	0	226	342
Projected	158	617	90	183	41	1	22	105	57	95	1	297	473

Do you know what's interesting about those four players? They all had *better* strikeout/walk ratios than we had projected—but dramatically less production. Of course, some players also play dramatically *better* than we had projected. Like Scott Podsednik and Russell Branyan:

Russell Branyan

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	116	431	64	108	21	1	31	76	58	149	2	251	520
Projected	46	122	17	29	7	0	8	20	18	47	1	238	492

Scott Podsednik

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	132	537	75	163	25	6	7	48	39	74	30	304	412
Projected	69	155	22	41	8	1	1	12	15	27	11	265	348

Ben Zobrist switched power numbers with David Wright:

Ben Zobrist

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	152	501	91	149	28	7	27	91	91	104	17	297	543
Projected	95	345	53	92	18	3	12	41	48	59	9	267	441

David Wright

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	144	535	88	164	39	3	10	72	74	140	27	307	447
Projected	160	618	113	192	46	2	33	120	89	116	17	311	552

While Aaron Hill stole the power from Adrian Beltre:

Aaron Hill

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	158	682	103	195	37	0	36	108	42	98	6	286	499
Projected	126	463	62	132	32	2	9	57	38	62	5	285	421

Adrian Beltre

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	111	449	54	119	27	0	8	44	19	74	13	265	379
Projected	153	605	82	165	36	2	27	92	47	104	8	273	473

OK, we are often wrong; I wanted to make sure that you got that point. We are not seers or mystics. We just basically predict that players will continue to do well what they have done well in the past. When they do, we're right, and when they don't, we're wrong.

But in any season, the vast majority of players play in a manner that seems a natural extension of what they had done before. When that happens, our projection should be reasonably accurate. As, for example, Evan Longoria, Mark Teixeira, Adam LaRoche and Orlando Hudson:

Evan Longoria

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	157	584	100	164	44	0	33	113	72	140	9	281	526
Projected	154	599	102	168	39	1	37	116	69	142	9	280	534

Mark Teixeira

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	156	609	103	178	43	3	39	122	81	114	2	292	565
Projected	154	589	102	176	41	2	36	121	89	110	2	299	559

Adam LaRoche

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	150	555	78	154	38	2	25	83	69	142	2	277	488
Projected	151	551	76	149	40	1	26	91	60	135	1	270	488

Orlando Hudson

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	149	551	74	156	35	6	9	62	62	99	8	283	417
Projected	140	533	71	151	32	4	11	59	55	85	6	283	420

We had projected that Mike Lowell would drive in 75 runs, and he did:

Mike Lowell

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	119	445	54	129	29	1	17	75	33	61	2	290	474
Projected	128	462	59	128	31	0	16	75	42	64	2	277	448

We had projected that Yunel Escobar would hit .300, but he hit only .299:

Yunel Escobar

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	141	528	89	158	26	2	14	76	57	62	5	299	436
Projected	141	533	78	160	30	2	9	63	60	66	5	300	415

We missed Mike Fontenot's batting average by a wide margin, but we had projected that he would hit 9 homers and drive in 43 runs, and he did:

Mike Fontenot

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	135	377	38	89	22	2	9	43	35	83	4	236	377
Projected	118	358	54	103	24	3	9	43	41	65	4	288	447

We projected that Freddy Sanchez would hit .293, and he did. We had projected that Scott Hairston would hit .265, and he did:

Freddy Sanchez

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	111	457	56	134	29	3	7	41	22	76	5	293	416
Projected	148	557	73	163	36	2	8	62	29	64	1	293	408

Scott Hairston

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	116	430	50	114	27	2	17	64	25	83	11	265	456
Projected	121	385	56	102	22	3	19	48	35	84	3	265	486

We projected that Mike Cameron would hit 32 doubles, 3 triples and 24 homers, and he did:

Mike Cameron

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	149	544	78	136	32	3	24	70	75	156	7	250	452
Projected	145	558	82	132	32	3	24	80	67	173	18	237	434

Despite their up-and-down seasons we had good projections for Mark Teahan, Nelson Cruz and Jeff Francoeur:

Mark Teahan

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	144	524	69	142	34	1	12	50	37	123	8	271	408
Projected	139	494	67	135	31	5	12	61	50	113	6	273	429

Nelson Cruz

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	128	462	75	120	21	1	33	76	49	118	20	260	524
Projected	124	443	74	123	25	2	28	84	50	106	18	278	533

Jeff Francoeur

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	157	593	72	166	32	4	15	76	23	92	6	280	423
Projected	139	496	65	135	29	2	16	76	30	93	2	272	435

And Matt Holliday:

Matt Holliday

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	156	581	94	182	39	3	24	109	72	101	14	313	515
Projected	154	605	111	192	43	4	29	108	66	116	19	317	545

We had good projections for Juan Pierre and Andruw Jones:

Andruw Jones

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	82	281	43	60	18	0	17	43	45	72	5	214	459
Projected	101	301	45	70	14	1	16	50	37	80	2	233	445

Juan Pierre

	G	AB	R	H	D	T	HR	RBI	BB	SO	SB	Avg	Slg
Actual	145	380	57	117	16	8	0	31	27	27	30	308	392
Projected	117	394	54	115	14	4	1	26	23	24	34	292	355

These projections have been marinated for weeks on Funk and Wagnalls porch. We've been doing this for almost twenty years now, and, in our mystical and borderline divine manner, we have not yet learned to miss them all.

Is that all, moose breath?

2010 Hitter Projections

PLAYER			BATTING											BASERUNNING			AVERAGES				
Hitter	Team	Age	G	AB	H	2B	3B	HR	R	RBI	RC	RC27	BB	SO	SB	CS	SB%	Avg	OBP	Slg	OPS
Abreu,Bobby	LAA	36	157	606	173	38	2	18	103	101	106	6.24	101	127	25	9	.74	.285	.389	.444	.833
Alfonzo,Eliezer	SD	31	64	189	49	10	0	7	19	25	23	4.27	6	48	1	0	1.00	.259	.286	.423	.709
Allen,Brandon	Ari	24	122	398	108	22	3	19	59	60	65	5.79	40	87	6	2	.75	.271	.338	.485	.823
Alonso,Yonder	Cin	23	94	258	72	27	0	6	26	32	42	5.84	32	36	3	1	.75	.279	.359	.453	.812
Anderson,Brian	Bos	28	84	161	39	9	0	6	22	18	20	4.19	14	40	2	2	.50	.242	.311	.410	.721
Anderson,Garret	Atl	38	129	447	124	25	1	13	51	67	60	4.81	24	68	2	1	.67	.277	.316	.425	.741
Anderson,Josh	KC	27	81	188	52	7	2	1	25	14	22	4.09	10	26	16	4	.80	.277	.317	.351	.668
Andino,Robert	Bal	26	77	176	42	8	1	3	21	14	17	3.23	12	39	5	3	.62	.239	.287	.347	.634
Andrus,Elvis	Tex	21	155	499	138	19	6	6	77	49	65	4.56	40	79	41	10	.80	.277	.335	.375	.710
Ankiel,Rick	StL	30	118	375	95	19	1	18	53	59	52	4.79	29	87	3	2	.60	.253	.310	.453	.764
Arencibia,JP	Tor	24	114	383	86	24	1	17	44	53	41	3.59	15	96	0	0	0.00	.225	.254	.426	.679
Atkins,Garrett	Col	30	131	435	124	27	1	14	60	70	68	5.68	43	68	1	0	1.00	.285	.353	.448	.802
Aubrey,Michael	Bal	28	68	200	54	14	0	5	20	27	26	4.63	12	23	1	0	1.00	.270	.311	.415	.726
Aurilia,Rich	SF	38	71	152	39	7	0	4	17	19	18	4.14	11	25	0	0	0.00	.257	.311	.382	.693
Avila,Alex	Det	23	57	168	43	11	0	7	25	28	26	5.37	25	39	1	1	.50	.256	.352	.446	.799
Aviles,Mike	KC	29	120	435	121	25	3	10	56	51	56	4.59	20	56	7	3	.70	.278	.310	.418	.728
Aybar,Erick	LAA	26	139	520	151	25	6	6	75	57	67	4.61	28	55	18	9	.67	.290	.330	.396	.726
Aybar,Willy	TB	27	85	217	56	12	0	7	25	29	29	4.65	24	32	1	1	.50	.258	.340	.410	.750
Baker,Jeff	ChC	29	114	322	90	21	2	11	45	47	50	5.58	27	72	2	1	.67	.280	.337	.460	.797
Baker,John	Fla	29	118	422	113	27	1	9	58	56	57	4.78	45	94	1	1	.50	.268	.341	.400	.742
Balidell,Rocco	Bos	28	69	178	47	9	1	7	26	25	24	4.73	11	42	2	2	.67	.264	.321	.444	.765
Balentien,Wladimir	Cin	25	70	160	39	9	0	7	22	23	22	4.69	17	40	2	1	.67	.244	.316	.431	.748
Barajas,Rod	Tor	34	114	366	85	20	0	14	41	52	40	3.70	20	67	0	0	0.00	.232	.278	.402	.679
Bard,Josh	Was	32	84	232	56	15	0	4	21	27	26	3.84	23	41	0	0	0.00	.241	.313	.358	.670
Barmes,Clint	Col	31	134	474	123	29	2	14	61	51	57	4.15	23	88	9	6	.60	.259	.301	.418	.719
Bartlett,Jason	TB	30	146	540	157	31	4	8	82	54	78	5.17	48	89	24	9	.73	.291	.355	.407	.763
Barton,Daric	Oak	24	79	205	52	14	1	5	32	27	29	4.90	31	33	1	1	.50	.254	.357	.405	.762
Bautista,Jose	Tor	29	121	369	89	21	1	13	51	48	49	4.52	48	90	3	2	.60	.241	.335	.409	.744
Bay,Jason	Bos	31	153	560	150	32	2	32	99	103	104	6.53	88	159	11	4	.73	.268	.374	.504	.878
Beckham,Gordon	CWS	23	155	576	166	44	1	21	93	96	97	6.08	59	89	10	5	.67	.288	.360	.477	.838
Bell,Joshua	Bal	23	91	347	100	21	2	11	51	61	58	6.06	45	71	2	2	.50	.288	.370	.455	.825
Belliard,Ronnie	LAD	35	132	438	116	28	1	12	53	55	58	4.65	35	83	3	2	.60	.265	.322	.416	.738
Beltran,Carlos	NYM	33	136	522	147	33	2	24	92	91	97	6.64	76	88	17	5	.77	.282	.375	.490	.865
Beltre,Adrian	Sea	31	131	483	130	29	1	17	61	68	67	4.88	32	82	10	4	.71	.269	.321	.439	.760
Berkman,Lance	Hou	34	153	554	157	35	1	31	96	104	115	7.46	109	118	8	4	.67	.283	.406	.518	.924
Betancourt,Yuniesky	KC	28	144	497	134	29	4	7	55	51	57	4.05	19	44	5	3	.62	.270	.298	.386	.684
Blake,Casey	LAD	36	149	517	133	29	2	18	72	68	72	4.85	54	124	3	2	.60	.257	.337	.426	.762
Blalock,Hank	Tex	29	102	337	88	20	1	15	47	51	49	5.10	27	72	2	1	.67	.261	.320	.460	.780
Blanco,Andres	ChC	26	53	172	44	8	1	2	18	15	18	3.60	10	20	3	2	.60	.256	.301	.349	.649
Blanco,Henry	SD	38	82	228	51	11	0	6	22	23	23	3.38	20	52	0	0	0.00	.224	.286	.351	.637
Blanks,Kyle	SD	23	142	524	145	23	3	25	79	93	89	6.07	66	140	3	2	.60	.277	.362	.475	.837
Bloomquist,Willie	KC	32	91	212	55	6	1	2	29	16	22	3.55	16	38	11	4	.73	.259	.314	.325	.640
Blum,Geoff	Hou	37	113	306	72	15	1	7	30	36	32	3.56	24	52	0	0	0.00	.235	.297	.359	.657
Bonifacio,Emilio	Fla	25	90	231	62	8	3	1	33	15	26	3.89	17	43	12	5	.71	.268	.321	.342	.663
Borbon,Julio	Tex	24	136	522	161	17	6	7	85	47	78	5.42	39	61	42	13	.76	.308	.358	.404	.762
Bourn,Michael	Hou	27	150	575	156	20	8	5	91	37	76	4.57	60	121	54	13	.81	.271	.341	.360	.701
Bradley,Milton	ChC	32	133	467	129	25	1	18	74	64	79	6.02	75	113	5	3	.62	.276	.384	.450	.834
Brantley,Michael	Cle	23	130	526	141	21	1	4	77	43	65	4.27	59	55	48	11	.81	.268	.342	.335	.676
Branyan,Russell	Sea	34	112	412	98	21	1	27	56	67	67	5.53	57	155	2	1	.67	.238	.336	.490	.826
Braun,Ryan	Mil	26	154	615	194	42	6	39	112	119	135	8.22	53	112	17	6	.74	.315	.378	.593	.972
Brignac,Reid	TB	24	104	294	76	19	2	7	37	33	36	4.24	20	57	5	3	.62	.259	.306	.408	.714
Bruce,Jay	Cin	23	152	574	157	29	4	38	92	95	103	6.33	56	126	10	6	.62	.274	.340	.537	.877
Bruntlett,Eric	Phi	32	73	109	24	5	0	1	14	9	9	2.69	11	22	4	2	.67	.220	.303	.294	.597
Buck,John	KC	29	106	355	82	21	1	12	39	50	40	3.80	28	95	1	1	.50	.231	.295	.397	.692
Buck,Travis	Oak	26	60	161	41	10	1	4	21	19	21	4.51	16	31	2	1	.67	.255	.330	.404	.733
Burrell,Pat	TB	33	119	346	82	17	1	17	46	59	54	5.32	62	100	1	0	1.00	.237	.356	.439	.795
Burriss,Emmanuel	SF	25	65	140	36	4	1	1	16	10	14	3.37	10	16	9	4	.69	.257	.320	.321	.642
Buscher,Brian	Min	29	73	174	45	8	0	4	20	22	22	4.40	20	31	1	1	.50	.259	.338	.374	.712
Butler,Billy	KC	24	142	508	151	38	1	17	67	81	87	6.34	50	72	1	0	1.00	.297	.361	.476	.838
Byrd,Marlon	Tex	32	120	480	134	30	2	14	66	64	69	5.13	37	90	7	4	.64	.279	.340	.438	.777
Byrnes,Eric	Ari	34	74	205	51	12	1	7	28	25	26	4.31	15	31	7	3	.70	.249	.316	.420	.735
Cabrera,Asdrubal	Cle	24	157	582	171	41	3	9	96	74	88	5.46	56	95	19	8	.70	.294	.358	.421	.779
Cabrera,Everth	SD	23	145	545	146	29	11	3	90	44	74	4.68	67	117	37	12	.76	.268	.353	.378	.731
Cabrera,Melky	NYM	25	144	471	131	23	2	11	63	62	65	4.91	42	60	10	4	.71	.278	.341	.406	.747
Cabrera,Miguel	Det	27	160	617	196	43	2	36	101	124	137	8.42	73	118	5	2	.71	.318	.394	.569	.963
Cabrera,Oriando	Min	35	160	653	179	38	1	9	85	71	80	4.34	45	72	14	5	.74	.274	.323	.377	.700
Callaspo,Alberto	KC	27	145	529	152	31	5	8	69	57	75	5.15	46	40	3	2	.60	.287	.345	.410	.756
Cameron,Mike	Mil	37	149	561	133	32	3	23	79	74	77	4.62	71	171	11	5	.69	.237	.328	.428	.756
Cano,Robinson	NYM	27	161	624	193	46	3	20	89	87	104	6.23	32	69	4	3	.57	.309	.347	.489	.836
Cantu,Jorge	Fla	28	139	546	151	39	1	18	67	87	79	5.19	37	87	2	1	.67	.277	.328	.451	.779
Cardenas,Adrian	Oak	22	141	458	120	32	2	3	56	55	53	4.02	43	65	8	5	.62	.262	.325	.360	.686
Carp,Mike	Sea	24	92	284	73	15	1	8	37	36	39	4.81	37	63	0	0	0.00	.257	.345	.401	.746
Carroll,Brett	Fla	27	77	147	37	9	1	5	20	20	19	4.49	11								

2010 Hitter Projections

PLAYER			BATTING										BASERUNNING			AVERAGES					
Hitter	Team	Age	G	AB	H	2B	3B	HR	R	RBI	RC	RC27	BB	SO	SB	CS	SB%	Avg	OBP	Slg	OPS
Cervelli, Francisco	NY Yankees	24	58	161	45	8	0	3	20	19	20	4.48	11	27	0	0	.00	.280	.326	.385	.711
Chavez, Endy	Sea	32	75	145	39	6	1	1	18	11	16	3.85	10	16	5	2	.71	.269	.316	.345	.661
Chavez, Eric	Oak	32	88	337	84	20	1	15	46	50	50	5.12	41	72	3	1	.75	.249	.332	.448	.781
Chavez, Raul	Tor	37	64	170	40	8	0	2	14	17	14	2.80	7	22	0	0	.00	.235	.266	.318	.583
Choo, Shin-Soo	Cle	27	156	583	171	36	4	19	95	86	103	6.39	77	135	20	7	.74	.293	.383	.467	.850
Church, Ryan	Atl	31	124	409	111	28	1	11	54	57	59	5.10	41	85	5	3	.62	.271	.342	.425	.768
Coghlan, Chris	Fla	25	147	548	170	37	6	10	92	66	96	6.48	64	74	20	7	.74	.310	.385	.454	.840
Colvin, Tyler	ChC	24	52	125	33	6	1	4	16	17	16	4.47	7	24	2	1	.67	.264	.303	.424	.727
Cora, Alex	NYM	34	53	175	43	7	1	1	19	13	16	3.10	13	19	3	2	.60	.246	.323	.314	.637
Coste, Chris	Hou	37	74	191	48	10	0	4	18	23	21	3.82	13	36	0	0	.00	.251	.309	.366	.676
Counsell, Craig	Mil	39	127	342	84	15	2	3	45	25	37	3.70	42	51	4	2	.67	.246	.337	.327	.664
Crawford, Carl	TB	28	140	528	156	24	8	12	82	62	82	5.57	36	84	41	11	.79	.295	.346	.439	.786
Crede, Joe	Min	32	93	285	69	15	0	13	35	42	36	4.33	21	44	0	0	.00	.242	.303	.432	.735
Crisp, Coco	KC	30	113	386	106	22	3	7	59	40	53	4.78	38	57	20	8	.71	.275	.341	.402	.743
Crosby, Bobby	Oak	30	73	175	42	10	1	4	23	20	20	3.88	16	33	2	1	.67	.240	.311	.377	.688
Crowe, Trevor	Cle	26	93	311	81	18	2	3	46	30	38	4.17	35	55	17	7	.71	.260	.335	.360	.695
Crux, Nelson	Tex	29	145	542	154	29	1	36	89	98	103	6.75	58	130	21	9	.70	.284	.354	.541	.895
Cuddyer, Michael	Min	31	132	473	129	29	4	20	74	72	77	5.79	49	96	5	2	.71	.273	.347	.478	.825
Cust, Jack	Oak	31	141	450	114	20	0	25	75	72	80	6.17	95	153	2	1	.67	.253	.385	.464	.849
Damon, Johnny	NY Yankees	36	149	565	157	31	2	17	99	70	87	5.48	66	93	16	5	.76	.278	.355	.430	.786
Davis, Chris	Tex	24	128	494	141	29	2	30	80	91	90	6.61	42	146	2	1	.67	.285	.343	.534	.877
Davis, Rajai	Oak	29	138	496	141	27	4	4	74	44	65	4.53	37	77	50	18	.74	.284	.339	.379	.718
DeJesus, David	KC	30	147	554	158	32	5	11	82	65	80	5.19	53	83	6	5	.55	.285	.358	.421	.779
Delgado, Carlos	NY Yankees	38	123	411	108	24	1	23	61	79	71	6.09	54	95	1	0	1.00	.263	.361	.494	.855
DeRosa, Mark	StL	35	140	507	132	27	1	17	76	71	69	4.76	51	115	3	2	.60	.260	.335	.418	.753
Desmond, Ian	Was	24	145	518	146	33	3	13	66	52	77	5.25	44	102	25	9	.74	.282	.338	.432	.771
Diaz, Matt	Atl	32	122	325	99	20	2	10	43	46	53	5.99	21	65	8	4	.67	.305	.358	.471	.829
Diaz, Robinson	Pit	26	54	143	39	7	0	2	11	16	16	4.00	5	10	1	0	1.00	.273	.307	.364	.670
Dickerson, Chris	Cin	28	89	254	70	12	3	7	38	28	41	5.64	38	71	14	5	.74	.276	.372	.429	.801
Dobbs, Greg	Phi	31	104	199	55	10	1	6	24	28	27	4.84	13	33	2	1	.67	.276	.324	.427	.751
Doumit, Ryan	Pit	29	111	403	115	28	1	15	57	62	63	5.65	29	65	4	2	.67	.285	.341	.471	.812
Drew, J.D.	Bos	34	142	498	134	30	3	22	90	76	90	6.39	91	119	3	2	.60	.269	.385	.474	.859
Drew, Stephen	Ari	27	151	585	161	35	10	17	80	71	89	5.42	52	92	5	3	.62	.275	.335	.456	.792
Dukes, Elijah	Was	26	107	346	91	19	3	12	50	55	53	5.28	49	68	9	6	.60	.263	.359	.439	.799
Duncan, Chris	Bos	29	81	197	52	13	1	8	27	31	32	5.74	28	47	0	0	.00	.264	.356	.462	.817
Dunn, Adam	Was	30	159	562	141	30	0	40	94	103	112	6.90	121	183	3	1	.75	.251	.389	.518	.907
Dye, Jermaine	CWS	36	152	571	149	30	1	31	85	92	90	5.53	57	123	2	1	.67	.261	.332	.480	.813
Eckstein, David	SD	35	128	444	120	21	1	3	57	35	49	3.91	34	40	4	2	.67	.270	.337	.342	.680
Ellis, Mark	Oak	33	122	439	113	24	1	11	60	53	54	4.25	38	66	8	4	.67	.257	.324	.392	.715
Ellsbury, Jacoby	Bos	26	157	635	192	32	8	9	106	62	101	5.75	52	73	64	14	.82	.302	.360	.420	.780
Encarnacion, Edwin	Tor	27	129	452	117	28	1	21	64	69	70	5.40	50	91	3	2	.60	.259	.343	.465	.808
Erstad, Darin	Hou	36	73	119	29	6	0	1	15	12	11	3.14	8	24	1	1	.50	.244	.297	.319	.616
Escobar, Alides	Mil	23	141	504	145	22	4	5	75	48	64	4.49	28	77	42	12	.78	.288	.326	.377	.703
Escobar, Yunel	Atl	27	144	539	163	30	2	12	84	70	86	5.88	61	62	5	4	.56	.302	.381	.432	.813
Ethier, Andre	LAD	28	156	560	161	39	4	24	85	89	100	6.45	64	103	5	4	.56	.288	.368	.500	.868
Everett, Adam	Det	33	97	272	64	14	1	3	33	28	25	3.10	18	46	4	2	.67	.235	.293	.327	.620
Feliz, Pedro	Phi	35	151	573	145	29	2	17	61	80	68	4.13	34	80	0	0	.00	.253	.296	.400	.696
Fielder, Prince	Mil	26	161	601	172	37	2	44	103	124	132	7.96	96	135	3	2	.60	.286	.393	.574	.967
Fields, Josh	CWS	27	80	234	60	12	1	10	33	35	35	5.17	28	69	4	2	.67	.256	.338	.444	.783
Figgins, Chone	LAA	32	154	578	165	25	5	5	97	51	81	4.92	76	105	37	15	.71	.285	.369	.372	.741
Flores, Jesus	Was	25	116	431	114	22	2	13	48	75	57	4.68	35	105	0	0	.00	.265	.323	.415	.738
Flowers, Tyler	CWS	24	67	273	75	17	1	12	40	32	46	6.01	32	85	2	1	.67	.275	.353	.476	.829
Fontenot, Mike	ChC	30	131	359	98	23	2	8	48	42	51	5.04	37	69	4	2	.67	.273	.343	.415	.758
Fowler, Dexter	Col	24	135	451	130	32	9	6	79	43	76	5.95	66	104	28	11	.72	.288	.380	.439	.819
Fox, Jake	ChC	27	78	218	62	16	1	13	33	42	40	6.62	16	44	2	1	.67	.284	.339	.546	.885
Francisco, Ben	Phi	28	124	379	102	26	1	12	54	46	55	5.07	35	70	12	5	.71	.269	.339	.438	.777
Francoeur, Jeff	NY Yankees	26	154	588	162	35	3	18	75	87	79	4.79	30	101	5	3	.62	.276	.318	.437	.755
Frazier, Todd	Cin	24	151	507	141	45	1	17	61	69	79	5.51	44	78	9	7	.56	.278	.336	.471	.807
Fukudome, Kosuke	ChC	33	147	520	138	39	3	13	76	61	80	5.37	79	120	7	5	.58	.265	.365	.427	.792
Fuld, Sam	ChC	28	65	115	30	6	1	1	17	9	14	4.18	14	11	5	2	.71	.261	.346	.357	.703
Furcal, Rafael	LAD	32	139	583	162	28	4	10	94	50	79	4.80	60	83	16	7	.70	.278	.346	.391	.737
Gamel, Mat	Mil	24	124	455	126	28	3	17	65	73	74	5.81	53	142	3	2	.60	.277	.354	.464	.817
Garciparra, Nomar	Oak	36	60	170	47	10	0	5	22	24	23	4.82	12	20	1	1	.50	.276	.332	.424	.755
Gardner, Brett	NY Yankees	26	104	325	90	11	6	3	63	28	49	5.24	45	58	36	8	.82	.277	.368	.375	.744
Garko, Ryan	SF	29	130	419	118	22	1	16	53	69	65	5.61	37	64	0	0	.00	.282	.357	.453	.810
Gerut, Jody	Mil	32	78	162	42	9	1	5	23	20	21	4.48	14	25	3	2	.60	.259	.326	.420	.746
Getz, Chris	CWS	26	99	364	98	16	2	4	49	33	45	4.30	36	45	20	6	.77	.269	.340	.357	.697
Giambi, Jason	Col	39	71	244	56	10	0	14	37	44	39	5.39	49	65	0	0	.00	.230	.384	.443	.826
Giles, Brian	SD	39	92	292	77	17	1	7	40	36	43	5.18	47	36	2	1	.67	.264	.371	.401	.772
Glaus, Troy	StL	33	147	529	131	27	1	28	79	91	86	5.59	86	131	2	2	.50	.248	.356	.461	.817
Gload, Ross	Fla	34	99	228	64	13	1	5	28	29	31	4.88	16	29	1	1	.50	.281	.333	.412	.746
Gomes, Jonny	Cin	29	103	278	68	17	1	16	40	44	43	5.25	30	89	6	3	.67	.245	.331	.486	.817
Gomez, Carlos	Min	24	140	427	111	21	5	6	64	44	49	3.91	27	90	26	10	.75	.260	.		

2010 Hitter Projections

PLAYER		BATTING													BASERUNNING			AVERAGES			
Hitter	Team	Age	G	AB	H	2B	3B	HR	R	RBI	RC	RC27	BB	SO	SB	CS	SB%	Avg	OBP	Slg	OPS
Greene,Khalil	StL	30	66	163	39	10	1	6	20	22	20	4.16	11	35	1	1	.50	.239	.307	.423	.731
Greene,Tyler	StL	26	71	208	52	9	1	6	31	20	25	4.09	15	53	13	3	.81	.250	.307	.389	.696
Griffey Jr.,Ken	Sea	40	83	250	58	12	0	11	30	36	34	4.60	36	52	0	0	.00	.232	.333	.412	.745
Gross,Gabe	TB	30	117	276	68	17	1	8	36	34	38	4.70	39	71	4	2	.67	.246	.342	.402	.744
Guerrero,Vladimir	LAA	35	135	508	155	29	1	24	77	88	93	6.79	46	70	5	3	.62	.305	.369	.508	.876
Guillen,Carlos	Det	34	123	444	124	26	3	13	67	63	69	5.54	54	82	5	4	.56	.279	.361	.439	.800
Guillen,Jose	KC	34	115	392	103	20	1	15	48	60	52	4.66	24	74	1	1	.50	.263	.323	.434	.757
Gutierrez,Franklin	Sea	27	151	556	154	34	2	17	88	67	81	5.16	46	114	14	6	.70	.277	.336	.437	.773
Guzman,Cristian	Was	32	138	550	155	26	5	7	73	49	65	4.24	23	72	5	4	.56	.282	.313	.385	.698
Guzman,Jesus	SF	26	149	544	155	27	3	15	70	74	78	5.19	41	98	2	2	.50	.285	.335	.428	.763
Gwynn,Tony	SD	27	88	212	56	8	2	1	29	14	24	3.90	22	32	10	4	.71	.264	.336	.335	.671
Hafner,Travis	Cle	33	98	309	85	20	0	16	48	55	57	6.62	49	68	0	0	.00	.275	.385	.495	.880
Hairston,Jerry	NYN	34	109	299	78	18	1	6	44	30	37	4.28	25	43	7	4	.64	.261	.328	.388	.716
Hairston,Scott	Oak	30	130	450	122	27	3	20	60	60	69	5.40	34	87	8	4	.67	.271	.325	.478	.803
Hall,Bill	Sea	30	88	218	51	15	1	7	27	27	26	4.00	19	69	3	2	.60	.234	.298	.408	.707
Hamilton,Josh	Tex	29	131	501	147	29	3	23	75	91	89	6.46	48	101	11	4	.73	.293	.359	.501	.860
Hanigan,Ryan	Cin	29	92	314	87	14	1	4	35	27	41	4.70	40	38	0	0	.00	.277	.361	.366	.727
Hannahan,Jack	Sea	30	90	219	53	13	0	4	25	25	25	3.89	28	56	1	1	.50	.242	.331	.356	.687
Hardy,J.J.	Mil	27	141	528	134	28	2	19	70	68	71	4.69	50	92	1	0	1.00	.254	.320	.422	.742
Harris,Brendan	Min	29	103	377	103	24	1	7	47	43	49	4.63	30	68	1	1	.50	.273	.332	.398	.730
Harris,Willie	Was	32	110	264	65	13	2	5	42	22	33	4.21	37	52	10	5	.67	.246	.348	.367	.715
Hart,Corey	Mil	28	143	533	145	37	5	19	78	76	81	5.33	43	110	16	7	.70	.272	.332	.467	.799
Hawpe,Brad	Col	31	151	543	152	36	3	26	79	97	101	6.70	81	153	1	1	.50	.280	.375	.501	.876
Headley,Chase	SD	26	149	528	150	36	3	16	72	72	87	5.94	63	129	8	3	.73	.284	.365	.455	.819
Helms,Wes	Fla	34	110	230	59	13	1	5	22	30	27	4.11	16	58	0	0	.00	.257	.316	.387	.703
Helton,Todd	Col	36	140	506	154	37	1	15	78	74	98	7.24	93	74	0	0	.00	.304	.415	.470	.886
Hermida,Jeremy	Fla	26	152	554	148	30	2	20	77	73	86	5.47	75	135	7	3	.70	.267	.360	.437	.796
Hernandez,Anderson	NYM	27	91	252	62	10	2	2	29	20	24	3.23	18	42	6	3	.67	.246	.296	.325	.622
Hernandez,Ramon	Cin	34	120	435	113	22	1	13	46	64	56	4.51	39	60	1	1	.50	.260	.328	.405	.732
Heyward,Jason	All	20	146	542	164	27	5	17	86	78	94	6.40	59	64	11	4	.73	.303	.371	.465	.836
Hill,Aaron	Tor	28	138	540	153	35	1	20	78	76	83	5.55	40	78	5	2	.71	.283	.337	.463	.800
Hill,Koyie	ChC	31	77	218	51	13	0	4	23	24	23	3.58	19	52	1	0	1.00	.234	.295	.349	.644
Hinske,Eric	NYN	32	60	154	38	10	0	6	23	21	22	4.89	20	40	2	1	.67	.247	.348	.429	.777
Hoffpauir,Micah	ChC	30	74	156	43	10	1	7	22	28	25	5.70	12	27	1	1	.50	.276	.331	.487	.819
Holliday,Matt	StL	30	155	605	191	43	3	27	105	109	123	7.61	66	112	14	6	.70	.316	.391	.531	.922
Howard,Ryan	Phi	30	160	609	169	33	2	48	103	143	129	7.59	87	197	5	2	.71	.278	.372	.575	.947
Hudson,Orlando	LAD	32	145	550	154	33	4	10	71	61	79	5.15	59	96	7	3	.70	.280	.353	.409	.762
Huff,Aubrey	Det	33	148	521	139	31	1	20	66	79	76	5.16	49	83	1	1	.50	.267	.334	.445	.780
Hundley,Nick	SD	26	84	264	60	14	1	10	30	38	31	3.93	25	64	3	1	.75	.227	.297	.402	.698
Hunter,Torii	LAA	34	146	556	151	33	1	24	82	92	85	5.36	48	113	16	7	.70	.272	.335	.464	.799
Iannetta,Chris	Col	27	113	386	100	23	3	20	58	68	68	6.18	60	92	0	0	.00	.259	.370	.490	.860
Ibanez,Raul	Phi	38	152	589	159	34	2	26	86	96	93	5.60	60	124	3	2	.60	.270	.340	.467	.807
Infante,Omar	Atl	28	84	263	73	14	2	4	33	30	34	4.60	20	40	3	2	.60	.278	.331	.392	.723
Inge,Brandon	Det	33	150	528	119	23	2	20	63	71	61	3.86	52	153	3	2	.60	.225	.307	.390	.697
Ishikawa,Travis	SF	26	130	360	95	19	2	13	50	56	52	5.06	37	85	3	2	.60	.264	.336	.436	.772
Iwamura,Akinori	TB	31	128	504	146	28	5	4	76	40	72	5.14	60	95	12	6	.67	.290	.367	.389	.756
Izturis,Cesar	Bal	30	126	387	100	16	2	1	40	28	37	3.28	22	34	11	6	.65	.258	.303	.318	.621
Izturis,Maicer	LAA	29	124	446	126	25	3	6	70	56	61	4.87	43	48	14	6	.70	.283	.348	.392	.741
Jackson,Austin	NYN	23	97	282	83	15	3	4	40	37	42	5.38	27	65	14	4	.78	.294	.356	.411	.767
Jackson,Conor	Ari	28	135	463	132	31	2	12	66	69	74	5.74	57	54	9	4	.69	.285	.368	.438	.807
Jacobs,Mike	KC	29	108	320	79	20	1	15	38	50	45	4.85	27	88	0	0	.00	.247	.307	.456	.764
Janish,Paul	Cin	27	77	188	42	12	0	2	22	15	17	3.01	18	32	2	1	.67	.223	.301	.319	.621
Jaramillo,Jason	Pit	27	72	235	60	13	0	4	24	26	27	4.01	22	40	1	0	1.00	.255	.319	.362	.681
Jennings,Desmond	TB	23	120	423	119	20	7	9	76	51	71	5.95	55	55	39	6	.87	.281	.364	.426	.790
Jeter,Derek	NYN	36	156	631	200	31	2	15	103	72	108	6.41	64	99	20	7	.74	.317	.388	.444	.832
Johjima,Kenji	Sea	34	107	354	90	19	0	11	36	40	40	3.91	17	37	2	2	.50	.254	.307	.401	.708
Johnson,Chris	Hou	25	116	346	92	18	2	11	38	39	44	4.49	17	78	2	1	.67	.266	.300	.425	.725
Johnson,Kelly	Atl	28	139	485	133	31	5	14	78	62	76	5.54	58	88	10	5	.67	.274	.354	.445	.799
Johnson,Nick	Fla	31	124	426	118	29	1	12	67	62	75	6.29	91	83	2	2	.50	.277	.414	.434	.849
Johnson,Reed	ChC	33	108	342	93	19	1	7	50	39	42	4.33	22	66	4	3	.57	.272	.336	.395	.731
Johnson,Rob	Sea	27	75	221	52	13	1	3	21	20	22	3.35	17	41	3	2	.60	.235	.293	.344	.637
Jones,Adam	Bal	24	154	571	162	29	5	22	95	83	88	5.51	40	115	13	6	.68	.284	.336	.468	.804
Jones,Andruw	Tex	33	77	203	47	10	0	11	30	34	29	4.80	27	53	2	1	.67	.232	.336	.443	.780
Jones,Chipper	Atl	38	134	459	136	27	1	21	78	78	93	7.46	86	81	3	1	.75	.296	.408	.497	.905
Jones,Garrett	Pit	29	151	549	149	35	2	25	78	88	87	5.57	48	109	14	6	.70	.271	.330	.479	.809
Joyce,Matt	TB	25	120	375	97	27	3	17	59	60	62	5.70	49	92	10	5	.67	.259	.346	.483	.829
Kapler,Gabe	TB	34	101	252	66	17	1	7	37	34	34	4.68	23	47	4	3	.57	.262	.326	.421	.747
Kearns,Austin	Was	30	84	224	55	13	1	7	32	31	31	4.74	31	54	1	1	.50	.246	.355	.406	.761
Kemp,Matt	LAD	25	153	573	178	32	6	23	99	91	107	6.87	47	122	32	10	.76	.311	.365	.508	.873
Kendall,Jason	Mil	36	128	409	104	19	1	2	43	35	41	3.46	37	44	5	3	.62	.254	.338	.320	.659
Kendrick,Howie	LAA	26	124	467	144	34	3	11	70	68	73	5.77	21	76	14	6	.70	.308	.343	.465	.808
Kennedy,Adam	Oak	34	121	389	105	20	1	6	47	40	47	4.23	32	63	11	5	.69	.270	.332	.373	.705
Keppinger,Jeff	Hou	30	115	367	107	19	2	5	44	35	50	4.98	30	26	1	1					

2010 Hitter Projections

PLAYER			BATTING													BASERUNNING			AVERAGES		
Hitter	Team	Age	G	AB	H	2B	3B	HR	R	RBI	RC	RC27	BB	SO	SB	CS	SB%	Avg	OBP	Slg	OPS
LaPorta,Matt	Cle	25	121	451	120	29	1	20	70	68	70	5.47	44	82	3	2	.60	.266	.334	.468	.802
LaRoche,Adam	Atl	30	152	571	155	42	1	26	79	91	96	5.99	66	143	1	1	.50	.271	.348	.485	.833
LaRoche,Andy	Pit	26	150	523	133	28	2	15	71	69	70	4.64	63	81	4	2	.67	.254	.338	.402	.739
LaRue,Jason	SIL	36	55	125	27	6	0	4	13	15	12	3.18	10	32	1	0	1.00	.216	.315	.360	.675
Lee,Carlos	Hou	34	152	587	172	36	0	29	79	107	102	6.34	49	61	6	3	.67	.293	.351	.503	.853
Lee,Derrek	ChC	34	153	595	173	40	2	30	94	98	115	7.05	79	127	5	2	.71	.291	.378	.516	.894
Lewis,Fred	SF	29	125	376	102	21	5	7	62	34	54	5.01	44	91	13	6	.68	.271	.351	.410	.760
Lind,Adam	Tor	26	153	590	180	43	2	31	90	113	116	7.34	52	107	2	1	.67	.305	.364	.542	.907
Loney,James	LAD	26	145	507	149	29	3	13	64	78	80	5.76	51	63	5	3	.62	.294	.360	.440	.799
Longoria,Evan	TB	24	157	595	171	42	1	37	106	120	120	7.32	73	134	9	2	.82	.287	.370	.548	.918
Lopez,Felipe	Mil	30	151	565	159	31	3	10	79	58	79	4.99	60	104	10	6	.62	.281	.352	.400	.752
Lopez,Jose	Sea	26	154	580	160	37	2	19	72	85	78	4.81	24	66	3	2	.60	.276	.310	.445	.755
Loretta,Mark	LAD	38	83	176	48	9	0	2	20	18	21	4.23	17	19	1	1	.50	.273	.350	.358	.708
Lowell,Mike	Bos	36	138	529	147	35	1	19	66	84	81	5.50	46	74	2	1	.67	.278	.339	.456	.795
Lowrie,Jed	Bos	26	129	384	100	35	3	9	55	59	59	5.38	53	80	2	1	.67	.260	.350	.438	.788
Ludwick,Ryan	SIL	31	149	511	138	31	1	26	77	93	82	5.67	48	129	3	3	.50	.270	.339	.487	.826
Lugo,Julio	SIL	34	97	320	83	17	2	4	41	31	38	4.10	32	58	11	4	.73	.259	.332	.363	.695
Maier,Mitch	KC	28	101	293	78	17	2	5	38	32	37	4.41	25	50	7	3	.70	.266	.328	.389	.717
Markakis,Nick	Bal	26	161	630	189	47	2	21	101	103	113	6.60	72	103	8	4	.67	.300	.374	.481	.855
Marson,Lou	Cle	24	49	150	42	9	0	1	20	16	20	4.77	22	32	2	1	.67	.280	.372	.360	.732
Marte,Andy	Cle	26	65	155	40	10	1	6	19	24	22	4.97	13	29	1	0	1.00	.258	.320	.452	.771
Martin,Russell	LAD	27	146	533	145	28	1	12	80	71	77	5.07	78	83	13	7	.65	.272	.372	.396	.768
Martinez,Fernando	NYM	21	121	448	116	29	3	13	58	53	58	4.49	30	84	8	4	.67	.259	.308	.424	.732
Martinez,Victor	Bos	31	150	560	167	36	0	19	78	97	97	6.42	67	74	1	0	1.00	.298	.377	.464	.841
Mathis,Jeff	LAA	27	85	238	52	12	1	6	30	29	24	3.34	21	61	2	1	.67	.218	.287	.353	.640
Matsui,Hideki	NYJ	36	139	507	143	27	1	23	75	88	87	6.20	65	81	1	1	.50	.282	.367	.475	.842
Matsui,Kaz	Hou	34	125	445	117	24	2	8	60	40	54	4.22	33	82	16	5	.76	.263	.317	.380	.696
Matthews Jr.,Gary	LAA	35	124	403	101	23	2	9	55	48	50	4.26	44	91	6	3	.67	.251	.327	.385	.712
Mauer,Joe	Min	27	144	542	181	35	3	22	104	100	121	8.67	81	61	4	2	.67	.334	.422	.531	.954
Maxwell,Justin	Was	26	69	203	47	6	2	7	34	23	26	4.20	28	63	17	5	.77	.232	.328	.384	.712
Maybin,Cameron	Fla	23	127	426	122	23	6	10	69	47	68	5.72	50	108	14	5	.74	.286	.363	.439	.802
McCann,Brian	Atl	26	142	522	152	41	1	24	69	100	95	6.64	54	78	4	2	.67	.291	.362	.511	.874
McCutchen,Andrew	Pit	23	152	563	158	31	7	13	90	61	87	5.45	62	90	31	10	.76	.281	.353	.430	.783
McDonald,Darnell	Cin	31	65	174	47	11	1	4	22	20	23	4.64	13	38	6	2	.75	.270	.321	.414	.735
McDonald,John	Tor	35	60	145	34	6	0	2	16	12	12	2.79	5	21	1	1	.50	.234	.270	.317	.587
McGehee,Casey	Mil	27	125	492	134	30	1	15	63	76	69	5.01	41	86	0	0	.00	.272	.328	.429	.757
McLouth,Nate	Atl	28	148	528	139	34	2	20	93	67	82	5.41	61	97	19	5	.79	.263	.348	.449	.797
Michaels,Jason	Hou	34	87	155	38	9	0	4	21	20	19	4.19	17	37	1	1	.50	.245	.328	.381	.708
Miles,Aaron	ChC	33	51	124	34	6	1	1	15	10	14	4.00	7	15	2	1	.67	.274	.318	.363	.681
Millar,Kevin	Tor	38	75	190	46	11	0	6	24	24	25	4.51	24	37	0	0	.00	.242	.342	.395	.737
Milledge>Lastings	Pit	25	147	516	146	30	2	11	66	60	70	4.78	38	94	22	11	.67	.283	.340	.413	.753
Molina,Bengie	SF	35	140	527	142	25	0	18	47	83	65	4.39	18	62	0	0	.00	.269	.299	.419	.718
Molina,Jose	NYJ	35	67	147	34	7	0	2	14	13	13	2.99	9	33	0	0	.00	.231	.285	.320	.605
Molina,Yadier	SIL	27	136	485	135	24	0	7	42	59	61	4.49	44	41	5	3	.62	.278	.343	.371	.714
Montero,Miguel	Ari	26	132	472	130	30	1	18	63	69	73	5.53	47	82	1	1	.50	.275	.344	.458	.801
Mora,Melvin	Bal	38	131	456	123	22	0	14	61	61	61	4.72	40	71	4	3	.57	.270	.341	.410	.751
Morales,Jose	Min	27	110	323	95	19	1	3	35	30	44	5.00	29	46	1	1	.50	.294	.352	.387	.739
Morales,Kendry	LAA	27	153	572	168	38	1	29	80	98	99	6.32	40	97	2	3	.40	.294	.341	.516	.857
Morgan,Nyjer	Was	29	153	599	181	23	6	3	94	44	80	4.73	45	88	52	22	.70	.302	.356	.376	.732
Morneau,Justin	Min	29	154	588	166	37	2	31	91	115	108	6.65	71	96	0	0	.00	.282	.363	.510	.873
Morrison,Logan	Fla	22	50	145	39	10	1	4	24	23	26	6.26	32	25	5	2	.71	.269	.401	.434	.836
Moss,Brandon	Pit	26	101	271	73	20	2	7	36	37	40	5.23	27	63	2	1	.67	.269	.340	.435	.775
Murphy,Daniel	NYM	25	98	271	77	21	2	7	38	39	42	5.57	25	35	3	2	.60	.284	.345	.454	.798
Murphy,David	Tex	28	129	460	125	31	3	15	65	65	70	5.37	47	89	8	4	.67	.272	.339	.450	.789
Nady,Xavier	NYJ	31	124	424	121	25	1	17	54	65	66	5.64	28	85	2	1	.67	.285	.337	.469	.806
Napoli,Mike	LAA	28	115	395	105	21	1	24	68	69	70	6.21	54	103	5	3	.62	.266	.361	.506	.868
Navarro,Dioner	TB	26	110	338	86	17	0	7	38	37	38	3.89	27	43	3	2	.60	.254	.315	.367	.682
Nieves,Wil	Was	32	74	187	47	8	1	2	17	17	18	3.34	10	29	1	0	1.00	.251	.293	.337	.630
Nix,Jayson	CWS	27	90	247	60	13	0	8	33	27	30	4.11	21	49	9	3	.75	.243	.307	.393	.700
Nix,Laynece	Cin	29	85	214	55	13	1	10	30	34	30	4.88	15	53	1	1	.50	.257	.309	.467	.776
Ojeda,Augie	Ari	35	95	242	57	11	1	1	31	18	23	3.22	27	24	2	1	.67	.236	.322	.302	.624
Olivo,Miguel	KC	31	119	433	103	21	2	18	49	60	48	3.75	18	130	6	3	.67	.238	.275	.420	.695
Ordonez,Magglio	Det	36	141	515	160	32	1	17	70	84	91	6.63	52	74	2	2	.50	.311	.376	.476	.852
Ortiz,David	Bos	34	138	484	128	34	1	29	79	99	92	6.72	77	112	0	0	.00	.264	.369	.519	.887
Overbay,Lyle	Tor	33	140	460	123	34	1	15	60	63	73	5.63	65	100	1	0	1.00	.267	.359	.443	.803
Pagan,Angel	NYM	28	101	334	93	18	6	5	48	32	46	4.84	27	56	12	6	.67	.278	.332	.413	.746
Parra,Gerardo	Ari	23	132	502	149	24	9	8	70	64	74	5.31	41	79	13	9	.59	.297	.351	.428	.779
Patterson,Eric	Oak	27	65	250	68	14	3	5	39	28	36	5.01	24	48	20	5	.80	.272	.336	.412	.748
Paulino,Ronny	Fla	29	85	257	71	14	1	7	28	32	36	5.01	23	47	1	1	.50	.276	.338	.420	.758
Pearce,Steve	Pit	27	70	180	47	14	1	6	23	28	26	5.01	17	32	3	2	.60	.261	.328	.450	.778
Pedroia,Dustin	Bos	26	156	623	191	50	2	15	109	75	109	6.47	66	43	16	6	.73	.307	.378	.465	.843
Pena,Brayan	KC	28	82	272	78	17	1	6	30	32	38	5.04	18	25	3	2	.60	.287	.331	.423	.754
Pena,Carlos	TB	32	148	530	127	27	1	36	88	99	93	5.97	93	176	3	2	.6				

2010 Hitter Projections

PLAYER		BATTING											BASERUNNING			AVERAGES					
Hitter	Team	Age	G	AB	H	2B	3B	HR	R	RBI	RC	RC27	BB	SO	SB	CS	SB%	Avg	OBP	Slg	OPS
Pierzynski, A.J.	CWS	33	140	527	149	28	1	14	61	62	69	4.73	24	64	1	1	.50	.283	.323	.419	.742
Podsednik, Scott	CWS	34	110	324	89	17	2	3	45	26	40	4.28	29	50	17	8	.68	.275	.340	.367	.707
Polanco, Placido	Det	34	153	621	184	32	2	10	89	67	84	4.96	36	46	6	3	.67	.296	.343	.403	.745
Posada, Jorge	NYG	38	116	420	116	26	0	18	59	74	72	6.14	60	104	1	1	.50	.276	.372	.467	.839
Posey, Buster	SF	23	131	474	128	25	3	11	57	54	64	4.81	43	86	0	0	.00	.270	.331	.405	.736
Powell, Landon	Oak	28	50	180	41	7	0	8	25	30	23	4.30	25	43	0	0	.00	.228	.322	.400	.722
Prado, Martin	Atl	26	122	423	128	29	2	7	60	47	64	5.60	35	50	2	2	.50	.303	.357	.430	.788
Pujols, Albert	StL	30	158	579	193	45	1	44	121	129	162	10.77	106	63	11	5	.69	.333	.443	.642	1.085
Punto, Nick	Min	32	114	328	80	14	2	1	44	26	34	3.49	42	63	12	5	.71	.244	.330	.308	.638
Quentin, Carlos	CWS	27	146	542	147	36	2	30	92	97	95	6.22	59	77	5	2	.71	.271	.356	.511	.867
Quinlan, Robb	LAA	33	50	105	29	5	0	2	12	12	12	4.05	6	19	1	1	.50	.276	.321	.381	.702
Quintero, Humberto	Hou	30	71	173	43	10	0	3	15	18	17	3.40	7	30	0	0	.00	.249	.286	.358	.644
Raburn, Ryan	Det	29	133	439	121	25	3	22	74	73	75	6.04	48	100	10	5	.67	.276	.348	.497	.845
Ramirez, Alexei	CWS	28	147	527	150	19	2	18	75	78	76	5.16	42	58	12	6	.67	.285	.339	.431	.769
Ramirez, Aramis	ChC	32	132	506	148	32	1	26	76	97	92	6.66	49	74	2	1	.67	.292	.364	.514	.878
Ramirez, Hanley	Fla	26	156	615	194	44	5	27	117	86	127	7.64	69	109	31	11	.74	.315	.391	.535	.926
Ramirez, Manny	LAD	38	140	514	152	32	1	30	88	101	110	7.90	88	118	1	0	1.00	.296	.406	.537	.943
Rasmus, Colby	StL	23	147	471	119	26	2	18	75	55	65	4.76	47	91	8	3	.73	.253	.323	.431	.754
Redmond, Mike	Min	39	40	120	33	6	0	0	10	12	12	3.59	7	14	0	0	.00	.275	.331	.325	.656
Reed, Jeremy	NYM	29	71	104	28	6	1	1	12	10	13	4.39	9	15	1	1	.50	.269	.333	.375	.708
Reimold, Nolan	Bal	26	152	538	157	34	2	29	82	84	105	7.07	68	102	13	5	.72	.292	.373	.524	.898
Renteria, Edgar	SF	34	138	507	140	28	1	8	69	59	65	4.56	44	76	8	4	.67	.276	.335	.383	.718
Reyes, Jose	NYM	27	159	684	195	35	14	14	113	67	107	5.51	62	83	57	16	.78	.285	.345	.439	.784
Reynolds, Mark	Ari	26	153	559	150	32	3	40	103	107	108	6.73	72	191	18	8	.69	.268	.356	.551	.907
Rios, Alex	CWS	29	149	564	157	36	5	16	79	73	83	5.21	41	102	21	7	.75	.278	.332	.445	.777
Rivera, Juan	LAA	31	138	529	149	30	0	23	69	87	81	5.54	36	62	0	0	.00	.282	.329	.469	.797
Roberts, Brian	Bal	32	159	630	177	47	3	12	103	65	98	5.50	78	108	30	10	.75	.281	.361	.422	.783
Roberts, Ryan	Ari	29	125	411	113	24	3	11	54	47	63	5.41	51	77	12	5	.71	.275	.356	.428	.785
Rodriguez, Alex	NYG	34	145	544	160	26	1	37	104	113	117	7.82	84	125	15	5	.75	.294	.400	.550	.950
Rodriguez, Ivan	Tex	38	113	353	94	20	1	8	42	40	42	4.20	16	72	2	1	.67	.266	.302	.397	.698
Rodriguez, Luis	SD	30	95	244	62	13	1	2	27	20	27	3.84	28	21	1	1	.50	.254	.331	.340	.671
Rodriguez, Sean	TB	25	100	327	80	17	3	18	58	53	50	5.20	37	94	7	3	.70	.245	.323	.480	.803
Rolen, Scott	Cin	35	127	482	134	35	1	14	72	75	74	5.48	52	74	5	3	.62	.278	.357	.442	.799
Rollins, Jimmy	Phi	31	155	650	176	40	6	19	104	71	94	5.06	51	73	33	9	.79	.271	.328	.438	.766
Romero, Alex	Ari	26	72	135	37	8	1	1	15	15	16	4.16	9	15	3	2	.60	.274	.324	.370	.695
Rosales, Adam	Cin	27	81	219	57	13	2	7	32	25	30	4.76	20	40	3	2	.60	.260	.331	.434	.764
Ross, Cody	Fla	29	146	510	137	33	2	23	70	80	77	5.32	37	106	5	3	.62	.269	.324	.476	.801
Ross, David	Atl	33	62	147	35	7	0	7	18	20	21	4.88	20	40	0	0	.00	.238	.333	.429	.762
Rowand, Aaron	SF	32	154	574	153	37	1	17	74	72	75	4.60	38	134	5	3	.62	.267	.327	.423	.751
Ruiz, Carlos	Phi	31	118	358	93	24	1	9	43	47	49	4.77	43	41	3	2	.60	.260	.344	.408	.752
Ruiz, Randy	Tor	32	55	180	53	13	0	9	26	31	32	6.55	14	45	0	0	.00	.294	.352	.517	.869
Ryal, Rusty	Ari	27	50	118	31	8	1	4	15	15	16	4.73	8	26	1	1	.50	.263	.315	.449	.764
Ryan, Brendan	StL	28	146	452	121	21	4	4	65	33	51	3.92	31	62	16	7	.70	.268	.319	.358	.677
Salazar, Oscar	SD	32	88	246	72	16	1	9	31	40	40	5.94	18	33	1	1	.50	.293	.341	.476	.817
Salome, Angel	Mil	24	85	240	71	15	1	6	30	39	37	5.69	18	45	1	0	1.00	.296	.345	.442	.787
Saltalamacchia, Jarrod	Tex	25	121	447	113	24	1	15	60	59	60	4.67	50	130	0	0	.00	.253	.329	.412	.741
Sanchez, Freddy	SF	32	138	539	155	35	2	8	67	56	71	4.78	29	76	4	2	.67	.288	.329	.404	.733
Sanchez, Gaby	Fla	26	101	362	101	22	0	15	49	59	60	5.91	44	53	7	3	.70	.279	.357	.464	.821
Sandoval, Pablo	SF	23	153	556	182	45	4	24	86	97	116	8.00	46	70	4	3	.50	.327	.382	.552	.934
Santana, Carlos	Cle	24	128	503	136	25	1	16	85	90	75	5.28	67	98	2	2	.50	.270	.356	.419	.776
Santiago, Ramon	Det	30	106	330	80	13	2	6	42	33	34	3.51	24	56	4	2	.67	.242	.302	.348	.650
Santos, Omir	NYM	29	90	268	69	12	0	5	25	32	28	3.66	14	44	0	0	.00	.257	.297	.358	.655
Saunders, Michael	Sea	23	101	364	97	17	4	10	58	35	49	4.67	31	94	12	6	.67	.266	.324	.418	.742
Schafer, Jordan	Atl	23	63	197	47	10	1	5	26	20	25	4.25	30	63	6	3	.67	.239	.339	.376	.715
Schierholtz, Nate	SF	26	93	257	74	17	3	7	33	33	38	5.34	13	41	4	2	.67	.288	.325	.459	.784
Schneider, Brian	NYM	33	84	239	58	12	0	5	20	30	27	3.88	27	36	0	0	.00	.243	.325	.356	.680
Schumaker, Skip	StL	30	150	510	151	28	2	5	72	39	70	5.04	45	59	4	2	.67	.296	.353	.388	.741
Scott, Luke	Bal	32	142	463	120	29	2	24	64	76	76	5.74	56	109	1	1	.50	.259	.342	.486	.828
Scutaro, Marco	Tor	34	147	549	145	30	2	10	79	57	72	4.59	68	76	9	4	.69	.264	.347	.381	.728
Sheffield, Gary	NYM	41	122	401	100	17	0	16	58	60	57	4.88	58	68	6	3	.67	.249	.351	.411	.763
Shoppach, Kelly	Cle	30	113	381	95	25	0	19	57	61	56	5.09	39	125	0	0	.00	.249	.333	.465	.798
Sizemore, Grady	Cle	27	144	574	156	35	6	25	101	78	101	6.16	79	123	21	8	.72	.272	.369	.484	.853
Smith, Seth	Col	27	119	351	101	25	3	13	52	51	62	6.40	40	60	5	2	.71	.288	.362	.487	.849
Smoak, Justin	Tex	23	108	365	100	20	0	10</													

2010 Hitter Projections

PLAYER			BATTING											BASERUNNING			AVERAGES				
Hitter	Team	Age	G	AB	H	2B	3B	HR	R	RBI	RC	RC27	BB	SO	SB	CS	SB%	Avg	OBP	Slg	OPS
Taveras,Willy	Cin	28	92	277	75	9	1	1	40	14	29	3.64	16	43	20	5	.80	.271	.322	.321	.643
Taylor,Michael	Phi	24	87	249	71	13	2	9	39	44	41	5.89	25	40	11	3	.79	.285	.350	.462	.812
Teagarden,Taylor	Tex	26	69	206	48	11	1	9	28	27	26	4.28	19	71	0	0	.00	.233	.301	.427	.728
Teahen,Mark	KC	28	147	533	144	34	4	13	71	62	75	4.97	49	124	7	3	.70	.270	.336	.422	.758
Teixeira,Mark	NYN	30	156	596	179	42	2	36	101	121	129	8.02	84	113	2	1	.67	.300	.395	.559	.953
Tejada,Miguel	Hou	36	157	622	186	37	1	18	84	91	92	5.45	32	62	4	3	.57	.299	.342	.449	.791
Thames,Marcus	Det	33	94	256	62	12	1	15	36	40	37	4.96	25	72	0	0	.00	.242	.312	.473	.785
Theriot,Ryan	ChC	30	156	599	170	26	3	4	84	50	75	4.44	60	79	21	10	.68	.284	.352	.357	.709
Thomas,Clete	Det	26	85	227	59	14	2	5	34	26	32	4.84	27	57	11	4	.73	.260	.341	.405	.746
Thome,Jim	LAD	39	132	441	108	20	0	29	73	84	80	6.25	88	146	0	0	.00	.245	.374	.488	.862
Thurston,Joe	StL	30	83	196	52	11	1	2	24	18	22	3.89	15	29	4	3	.57	.265	.321	.362	.683
Toibert,Matt	Min	28	79	216	57	11	2	2	31	22	25	4.01	17	32	7	3	.70	.264	.318	.361	.679
Torrealba,Yorvit	Col	31	75	253	64	11	1	4	27	32	28	3.83	20	49	1	1	.50	.253	.315	.368	.683
Torres,Andres	SF	32	87	292	77	12	5	6	45	25	39	4.59	29	75	14	6	.70	.264	.330	.401	.731
Tracy,Chad	Ari	30	84	203	56	14	1	6	25	28	30	5.31	17	33	1	0	1.00	.276	.338	.443	.781
Tulowitzki,Troy	Col	25	146	556	162	32	5	27	99	89	103	6.63	66	98	15	10	.60	.291	.371	.513	.883
Ugla,Dan	Fla	30	157	596	150	36	2	30	97	90	94	5.46	78	162	3	2	.60	.252	.345	.470	.815
Upton,B.J.	TB	25	142	507	135	30	3	13	81	59	75	5.04	67	136	39	15	.72	.266	.354	.414	.768
Upton,Justin	Ari	22	148	564	165	34	9	28	93	90	111	7.09	68	142	19	8	.70	.293	.371	.534	.904
Uribe,Juan	SF	31	124	385	98	22	2	13	47	51	48	4.32	24	78	2	2	.50	.255	.302	.423	.725
Utley,Chase	Phi	31	157	604	175	39	3	30	111	104	115	6.91	73	114	17	4	.81	.290	.384	.513	.897
Valbuena,Luis	Cle	24	103	366	94	21	2	9	53	36	47	4.43	36	70	7	4	.64	.257	.323	.399	.722
Valencia,Daniel	Min	25	131	438	121	33	3	12	66	57	63	5.17	30	78	0	0	.00	.276	.323	.447	.770
Varitek,Jason	Bos	38	95	253	58	13	0	9	29	34	31	4.13	34	69	0	0	.00	.229	.332	.387	.720
Vazquez,Ramon	Pit	33	84	178	43	9	1	2	22	17	20	3.82	23	41	1	1	.50	.242	.332	.337	.669
Velez,Eugenio	SF	28	82	206	56	11	3	2	28	20	25	4.17	13	33	14	6	.70	.272	.318	.383	.702
Venable,Will	SD	27	120	395	99	18	2	13	53	48	50	4.36	34	95	7	2	.78	.251	.313	.405	.718
Victorino,Shane	Phi	29	154	591	167	30	7	12	95	59	84	5.04	48	77	24	9	.73	.283	.343	.418	.761
Vizquel,Omar	Tex	43	70	185	45	7	1	1	19	15	18	3.30	17	22	4	2	.67	.243	.314	.308	.622
Voitto,Joey	Cin	26	137	502	156	37	1	27	80	90	109	8.10	70	100	7	4	.64	.311	.397	.550	.947
Wallace,Brett	Oak	23	128	504	140	24	0	17	69	57	71	5.06	40	106	1	1	.50	.278	.331	.427	.757
Weeks,Rickie	Mil	27	114	425	110	23	5	16	80	48	67	5.44	56	100	14	5	.74	.259	.357	.449	.807
Wells,Vernon	Tor	31	144	549	149	33	2	19	77	77	79	5.07	43	75	11	5	.69	.271	.327	.443	.769
Werth,Jayson	Phi	31	149	510	137	25	2	28	86	88	92	6.33	76	145	17	5	.77	.269	.369	.490	.859
Whitesell,Josh	Ari	28	46	105	28	6	0	4	13	17	16	5.40	15	26	0	0	.00	.267	.364	.438	.802
Wieters,Matt	Bal	24	148	547	170	29	3	20	75	92	101	6.97	61	112	0	0	.00	.311	.381	.484	.865
Wigginton,Ty	Bal	32	122	400	109	23	1	15	49	53	58	5.15	31	70	2	2	.50	.273	.333	.448	.780
Willingham,Josh	Was	31	140	500	130	32	2	25	77	78	84	5.86	70	122	4	3	.57	.260	.363	.482	.845
Wilson,Jack	Sea	32	127	462	123	25	2	6	50	43	52	3.96	27	55	3	2	.60	.266	.311	.368	.679
Wilson,Josh	Sea	29	82	223	55	13	1	3	25	21	23	3.52	16	40	4	2	.67	.247	.303	.354	.657
Winn,Randy	SF	36	140	489	135	30	2	7	61	50	64	4.64	41	81	13	5	.72	.276	.337	.389	.726
Wise,DeWayne	CWS	32	85	194	49	10	2	6	27	21	23	4.01	10	36	8	4	.67	.253	.296	.418	.714
Wright,David	NYM	27	156	599	181	45	2	23	100	99	118	7.20	86	134	24	8	.75	.302	.393	.499	.892
Youkilis,Kevin	Bos	31	149	557	161	42	1	23	98	95	105	6.84	85	128	6	3	.67	.289	.394	.492	.885
Young Jr.,Eric	Col	25	45	146	40	7	2	2	25	9	19	4.41	14	24	12	6	.67	.274	.338	.390	.728
Young,Chris	Ari	26	151	560	137	39	4	25	84	73	84	5.09	65	142	17	6	.74	.245	.326	.463	.789
Young,Delmon	Min	24	129	455	135	24	2	12	60	67	65	5.22	20	87	8	4	.67	.297	.332	.437	.769
Young,Delwyn	Pit	28	120	351	95	24	1	9	43	45	48	4.86	27	79	2	1	.67	.271	.325	.422	.746
Young,Michael	Tex	33	152	616	184	37	2	16	88	80	96	5.74	49	104	8	3	.73	.299	.352	.443	.796
Zaun,Gregg	TB	39	88	244	58	13	0	7	29	29	30	4.19	33	44	0	0	.00	.238	.333	.377	.710
Zimmerman,Ryan	Was	25	149	593	171	42	3	28	97	98	107	6.56	62	110	3	2	.60	.288	.358	.511	.869
Zobrist,Ben	TB	29	153	509	143	28	5	23	86	75	96	6.71	84	93	15	6	.71	.281	.385	.491	.876

Pitcher Projections

Bill James

Projecting stats for pitchers is very different from projecting batting stats for players, and I will give you a couple of data points to illustrate the difference. For hitters, last year there were 8 batters whose batting averages we projected exactly right (to three decimals) and 54 players whose batting averages we projected correctly within ten points of the actual average. For pitchers, on the other hand, there were no pitchers whose ERAs we projected correctly (to two decimals), and only 14 pitchers for whom we were within ten points.

The difference between pitchers' records and batters' records as they are traditionally presented is the difference between elemental and summary statistics. The most prominent parts of a hitter's record are the elements of his performance—the hits, the home runs, RBI, doubles, triples. Batting average, which is a step away from an elemental record, is merely one step away; it is a contrast of two simple elements.

The most prominent parts of a pitcher's record, on the other hand, are not the elements but the summary stats—wins, losses, saves and ERA. The batter's record is event-oriented; the pitcher's record is result-oriented. Runs allowed result from combinations of events. . . what we are referring to here as combinations of elements. An ERA is a summary of how effective the pitcher has been, and as such dozens of factors play into ERA—the pitcher's ground ball tendency, for example, and the quality of the double play combination behind him. Everything the pitcher does feeds into his ERA—and a great many things that are done not by him but by the defense behind him. Wins and Losses are an even more distant summary, a summary not merely of the pitcher's performance but of the performance of the team when he was pitching. It's a small picture/big picture thing. The pitcher's record is Big Picture; the batter's record is details.

In the last thirty years we have gained a vastly better understanding of how the details relate to the big picture, how the elements combine to form the results. I am making this point because in a few years it will be lost. The baseball fans of a generation ago—and the managers, and the general managers—did not have a good understanding of how singles, doubles, triples, homers, walks, strikeouts, home runs, balls in play and fielding performance combined to form runs, or how runs combined to form wins. As people grow up understanding that,

as that knowledge works its way ever more deeply into our culture, people will at some point cease to understand that these relationships are not obvious and were not always apparent.

As we have gained this understanding, two things have happened. First, we have learned to construct summary or result-oriented records for batters. OPS is a summary stat. Runs Created is a summary stat. And second, we have learned to focus much more on the raw elements of the pitcher's performance, and to understand the distortions that make the summary stats (ERA and won-lost record) less reliable than we once believed them to be.

Projecting pitcher performance is much different than projecting batter performance because projecting summaries is much different than projecting elements. Projecting the elements of performance accurately requires knowledge, understanding, hard work and luck. Projecting the summaries accurately requires luck, knowledge, luck, understanding, luck, hard work, and some extra luck.

We used to believe that pitching performance was much, much less predictable than batter performance. This is probably still true; pitching performance probably is much less predictable than batter performance, due to injuries and other factors. However, we were over-estimating the difference because we were contrasting summary projections with elemental projections. In this section last year we didn't project any pitcher's strikeouts and walks exactly correctly, but let's look at a few of them. We had projected that Chad Billingsley would have 189 strikeouts and 84 walks. It was actually 179 and 86:

Chad Billingsley

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	33	196	12	11	.522	173	17	179	86	4.03	0
Projected	33	193	12	9	.571	174	17	189	84	3.69	0

We had projected that John Lackey would have 141 strikeouts and 51 walks:

John Lackey

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	27	176	11	8	.579	177	17	139	47	3.83	0
Projected	26	175	11	9	.550	175	17	141	51	3.81	0

We had projected that Carsten Sabathia would have 205 strikeouts, 70 walks, and that his closer would be at 66 and 12:

CC Sabathia

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	34	230	19	8	.704	197	18	197	67	3.37	0
Projected	34	240	16	10	.615	226	21	205	70	3.48	0

Mariano Rivera

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	66	66	3	3	.500	48	7	72	12	1.76	44
Projected	61	70	5	2	.714	56	3	66	12	2.07	43

We had projected that King Felix would have 188 strikeouts, 74 walks:

Felix Hernandez

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	34	239	19	5	.792	200	15	217	71	2.49	0
Projected	31	205	11	12	.478	202	19	188	74	3.86	0

Let us pause there for a moment. If you focus on the summary categories, one could not describe this as an accurate projection. We were 314 points off on his winning percentage, and 137 points off on ERA. Those are mammoth discrepancies. But if you focus on the elements of performance, you can see that our projection is... well, I'll stop short of calling it "accurate", but it has its points. A similar case is Cleveland Closer Kerry Wood:

Kerry Wood

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	58	55	3	3	.500	48	7	63	28	4.25	20
Projected	62	66	5	3	.625	53	7	74	28	3.51	33

Kerry Wood signed a big-dollar contract with Cleveland in the winter, and, because of some things that went wrong early in the season, was perceived as having a disastrous season. But actually, if you focus on the whole season, and if you focus on the elements of his performance rather than the summary, he did about what he could have been expected to do. We had projected 74 strikeouts in 66 innings; it was actually 11 fewer strikeouts in 11 fewer innings. And there are other pitchers whose 2009 projections we can look back upon without regret:

Roy Halladay

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	32	239	17	10	.630	234	22	208	35	2.79	0
Projected	32	241	17	10	.630	228	18	172	44	3.18	0

Dan Haren

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	33	229	14	10	.583	192	27	223	38	3.14	0
Projected	32	210	14	10	.583	206	23	174	47	3.59	0

John Danks

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	32	200	13	11	.542	184	28	149	73	3.77	0
Projected	33	201	12	11	.522	191	24	173	72	4.00	0

Erik Bedard

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	15	83	5	3	.625	65	8	90	34	2.82	0
Projected	16	89	5	5	.500	82	8	86	35	3.72	0

Aaron Cook

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	27	158	11	6	.647	175	19	78	47	4.16	0
Projected	29	182	11	10	.524	209	14	74	51	4.34	0

Barry Zito

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	33	192	10	13	.435	179	21	154	81	4.03	0
Projected	31	197	10	12	.455	184	22	139	84	3.94	0

Luke Hochevar

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	25	143	7	13	.350	167	23	106	46	6.55	0
Projected	26	146	6	10	.375	163	20	100	52	4.95	0

Yovani Gallardo

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	30	186	13	12	.520	150	21	204	94	3.73	0
Projected	31	196	13	9	.591	179	13	201	76	3.61	0

Gavin Floyd

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	30	193	11	11	.500	178	21	163	59	4.06	0
Projected	33	217	12	12	.500	215	34	157	87	4.00	0

Huston Street

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	64	62	4	1	.800	43	7	70	13	3.06	35
Projected	61	70	5	3	.625	56	5	71	21	2.90	28

Of course, I wouldn't want you to think that that is our normal level of accuracy. It isn't. Sometimes a pitcher gets hurt, and when that happens our projections for him are knocked into a cocked hat:

Brandon Webb

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	1	4	0	0	.000	6	2	2	2	13.50	0
Projected	32	222	15	9	.625	204	14	176	71	3.37	0

Jesse Litsch

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	2	9	0	1	.000	14	4	8	1	9.00	0
Projected	27	180	9	11	.450	190	21	108	45	4.06	0

Jeremy Bonderman

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	8	10	0	1	.000	16	4	5	8	8.71	0
Projected	24	150	8	8	.500	157	17	123	51	4.23	0

Daisuke Matsuzaka

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	12	59	4	6	.400	81	10	54	30	5.76	0
Projected	30	184	12	8	.600	160	17	174	77	3.58	0

Chien-Ming Wang

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	12	42	1	6	.143	66	7	29	19	9.64	0
Projected	30	200	13	9	.591	208	11	92	58	3.70	0

Archaic expression there, “knocked into a cocked hat”. I only used it in an effort to distract you from our miserable performance in projecting these pitchers. Sometimes pitchers also perform much, much *better* than we had anticipated. Usually—but not always—this happens when they are returning from an injury:

Chris Carpenter

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	28	193	17	4	.810	156	7	144	38	2.24	0
Projected	8	45	3	2	.600	42	4	36	11	3.34	0

Carl Pavano

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	33	199	14	12	.538	235	26	147	39	5.10	0
Projected	14	69	4	4	.500	76	7	43	17	4.22	0

Adam Wainwright

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	34	233	19	8	.704	216	17	212	66	2.63	0
Projected	25	150	9	7	.562	152	13	110	45	3.80	0

Justin Verlander

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	35	240	19	9	.679	219	20	269	63	3.45	0
Projected	30	182	11	9	.550	173	18	147	68	3.87	0

David Aardsma

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	73	71	3	6	.333	49	4	80	34	2.52	38
Projected	36	38	2	2	.500	37	5	36	22	4.81	0

Sometimes a change of performance in one area leads to a change in the summary:

Ryan Franklin

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	62	61	4	3	.571	49	2	44	24	1.92	38
Projected	71	79	4	5	.444	83	11	42	24	4.36	2

One thing the Cardinals do brilliantly is to tinker with the pitcher's role and his pitch selection, often leading to dramatic changes in performance. The Cardinals apparently realized that Franklin was giving up home runs on his slider and giving up home runs when he was tired. They moved him from starter to relief and replaced his slider with a cut fastball, leading to a dramatic reduction in home runs allowed, leading to a new level of performance. Although in that case, since

Franklin had been the Cardinals' closer the second half of 2008, I really don't know why we projected him to have only two saves in 2009. . . apparently we just weren't paying quite as much attention as we should have been.

A similar thing with Brian Fuentes: I really can't understand *why* we projected him to have only four saves in 2009:

Brian Fuentes

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	65	55	1	5	.167	53	6	46	24	3.93	48
Projected	63	62	5	2	.714	50	6	70	25	3.43	4

That must have been one of those end-of-the season things, maybe? Our process looks at the role that a relief pitcher is in at the end of the season, and projects his performance based on that, along with many other factors. We must have concluded, somehow, that Fuentes would not be a closer in 2009. It's embarrassing to look back on, but. . . these things happen. The rest of the projection is good; the "role" projection is inexplicable, even remembering that this projection was printed months before Fuentes signed with the Angels.

There are a lot of ways we can go wrong. We didn't realize that Oliver Perez would begin aiming pitches at outer space:

Oliver Perez

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	14	66	3	4	.429	69	12	62	58	6.82	0
Projected	34	204	11	12	.478	186	31	205	109	4.53	0

Or that Daniel Cabrera would begin aiming even more pitches at outer space:

Daniel Cabrera

	G	IP	W	L	Pct	H	HR	SO	BB	ERA	Sv
Actual	15	51	0	6	.000	59	4	23	42	6.00	0
Projected	25	141	7	9	.438	141	15	108	78	4.85	0

We lack the ability to foresee these things. Actually, we lack the ability to foresee *anything*; we just project forward based on the assumption that everything is normal. As long as everything is normal, we do good. When it's not, we struggle.

2010 Pitcher Projections

PLAYER			HOW MUCH			WHAT HE WILL GIVE UP					THE RESULTS					
Pitcher	Team	Age	G	GS	IP	H	HR	BB	SO	HB	W	L	Pct	SV	BR/9	ERA
Aardsma,David	Sea	28	69	0	69	62	7	37	68	2	3	4	.429	27	13.2	4.17
Aceves,Alfredo	NYY	27	44	0	76	71	10	17	58	8	5	3	.625	0	11.4	3.55
Acosta,Manny	Atl	29	35	0	37	35	4	23	31	2	2	2	.500	0	14.6	4.62
Adams,Mike	SD	31	43	0	46	39	4	16	47	0	3	2	.600	0	10.8	2.93
Affeldt,Jeremy	SF	31	78	0	64	60	6	29	50	2	3	4	.429	0	12.8	3.94
Albaladejo,Jonathan	NYY	27	30	0	30	29	4	9	23	2	2	1	.667	0	12	3.60
Albers,Matt	Bal	27	57	0	64	69	6	30	46	3	3	4	.429	0	14.3	4.92
Anderson,Brett	Oak	22	30	30	189	187	21	49	172	8	11	10	.524	0	11.6	3.76
Arias,Alberto	Hou	26	33	0	33	36	2	14	24	3	2	2	.500	0	14.5	4.64
Arredondo,Jose	LAA	26	47	0	54	49	5	25	51	0	3	3	.500	0	12.3	3.67
Arroyo,Bronson	Cin	33	33	33	210	215	28	62	144	10	11	12	.478	0	12.3	4.11
Ascanio,Jose	Pit	25	28	0	31	31	3	12	29	3	2	2	.500	0	13.4	4.35
Baez,Danys	Bal	32	62	0	70	65	8	28	47	6	4	4	.500	0	12.7	3.99
Bailey,Andrew	Oak	26	60	0	72	58	6	29	71	5	5	3	.625	29	11.5	3.13
Bailey,Homer	Cin	24	29	29	170	177	20	79	140	14	8	11	.421	0	14.3	4.87
Baker,Scott	Min	28	32	32	200	204	25	47	156	5	12	10	.545	0	11.5	3.83
Balester,Collin	Was	24	11	11	47	54	6	18	32	5	2	3	.400	0	14.7	5.36
Balfour,Grant	TB	32	74	0	63	46	5	31	79	1	5	2	.714	4	11.1	2.86
Bannister,Brian	KC	29	23	23	134	142	16	41	83	5	6	8	.429	0	12.6	4.23
Bard,Daniel	Bos	25	57	0	53	40	5	25	70	1	4	2	.667	0	11.2	3.06
Bass,Brian	Bal	28	48	0	84	99	10	32	51	5	4	6	.400	0	14.6	5.25
Batista,Miguel	Sea	39	53	0	67	73	7	30	42	2	3	5	.375	4	14.1	4.84
Bazardo,Yorman	Hou	25	19	3	36	44	5	14	21	4	1	3	.250	0	15.5	5.75
Beckett,Josh	Bos	30	33	33	221	208	24	64	206	8	15	9	.625	0	11.4	3.62
Bedard,Erik	Sea	31	15	15	88	78	8	35	87	3	5	5	.500	0	11.9	3.58
Beimel,Joe	Col	33	72	0	51	53	3	21	30	1	3	2	.600	0	13.2	3.88
Belisario,Ronald	LAD	27	71	0	69	65	6	32	55	4	4	4	.500	0	13.2	4.04
Belisle,Matt	Col	30	25	0	34	39	4	9	23	2	2	2	.500	0	13.2	4.50
Bell,Heath	SD	32	75	0	77	65	4	24	81	1	5	4	.556	43	10.5	2.69
Bennett,Jeff	TB	30	37	0	42	45	4	21	28	4	2	3	.400	0	15	4.93
Benoit,Joaquin	Tex	32	45	0	50	45	6	24	47	2	3	3	.500	0	12.8	3.96
Bergesen,Brad	Bal	24	27	27	168	182	15	39	85	18	10	9	.526	0	12.8	4.18
Bergmann,Jason	Was	28	73	0	60	59	8	24	48	2	3	4	.429	0	12.8	4.35
Berken,Jason	Bal	26	29	29	146	171	17	50	99	18	6	10	.375	0	14.7	5.36
Betancourt,Rafael	Col	35	70	0	60	51	6	16	60	0	5	2	.714	2	10	2.70
Billingsley,Chad	LAD	25	32	30	185	165	16	81	177	6	12	8	.600	0	12.3	3.65
Blackburn,Nick	Min	28	33	33	203	232	22	42	103	6	11	12	.478	0	12.4	4.26
Blanton,Joe	Phi	29	32	32	213	225	23	61	136	6	13	11	.542	0	12.3	4.06
Blevins,Jerry	Oak	26	31	0	38	36	3	11	38	1	2	2	.500	0	11.4	3.08
Boggs,Mitchell	StL	26	22	10	75	85	7	36	50	9	3	5	.375	0	15.6	5.40
Bonderman,Jeremy	Det	27	30	30	185	198	23	63	149	6	9	11	.450	0	13	4.43
Bonine,Eddie	Det	29	12	6	48	56	6	10	24	6	2	3	.400	0	13.5	4.88
Bonser,Boof	Min	28	15	15	65	71	10	23	56	1	3	4	.429	0	13.2	4.71
Bowden,Michael	Bos	23	25	15	130	137	14	46	100	18	7	8	.467	0	13.9	4.71
Boyer,Blaine	Ari	28	49	0	57	63	4	27	45	4	3	4	.429	0	14.8	4.74
Braden,Dallas	Oak	26	25	25	170	179	16	54	124	7	9	10	.474	0	12.7	4.08
Bradford,Chad	TB	35	60	0	40	44	2	11	22	2	2	2	.500	0	12.8	3.83
Breslow,Craig	Oak	29	72	0	77	68	6	32	69	3	5	4	.556	0	12	3.39
Broxton,Jonathan	LAD	26	76	0	80	59	4	31	104	2	6	3	.667	40	10.4	2.36
Bruney,Brian	NYY	28	52	0	50	45	5	34	48	3	3	3	.500	0	14.8	4.68
Buchholz,Clay	Bos	25	27	27	161	150	17	63	155	12	10	8	.556	0	12.6	3.91
Buchholz,Taylor	Col	28	26	0	31	31	4	9	22	1	2	1	.667	0	11.9	3.77
Buckner,Billy	Ari	26	16	15	94	103	10	37	69	9	4	6	.400	0	14.3	4.98
Buehrle,Mark	CWS	31	33	33	216	232	25	48	122	5	12	12	.500	0	11.9	3.96
Bulger,Jason	LAA	31	60	0	60	50	4	29	74	2	4	3	.571	0	12.2	3.30
Burke,Greg	SD	27	46	0	46	43	4	15	44	1	3	2	.600	0	11.5	3.33
Burnett,A.J.	NYY	33	35	35	223	205	23	90	217	11	15	10	.600	0	12.3	3.75
Burnett,Sean	Was	27	65	0	49	54	5	25	27	2	2	3	.400	0	14.9	5.14
Burns,Mike	Mil	31	19	8	58	65	9	14	42	5	3	4	.429	0	13	4.66
Burton,Jared	Cin	29	57	0	64	61	5	27	54	3	4	3	.571	0	12.8	3.80
Bush,David	Mil	30	21	20	107	112	16	27	74	9	6	6	.500	0	12.4	4.29
Byrd,Paul	Bos	39	14	12	68	80	10	12	33	2	4	4	.500	0	12.4	4.63
Byrdak,Tim	Hou	36	85	0	68	59	9	37	67	2	4	4	.500	0	13	4.24
Cabrera,Daniel	Ari	29	16	6	42	43	5	25	31	3	2	3	.400	0	15.2	5.14
Cahill,Trevor	Oak	22	31	31	185	189	25	78	104	8	8	13	.381	0	13.4	4.62
Cain,Matt	SF	25	33	33	225	194	21	80	194	6	14	11	.560	0	11.2	3.36
Calero,Kiko	Fla	35	66	0	64	54	5	30	67	1	4	3	.571	0	12	3.38
Camp,Shawn	Tor	34	50	0	70	78	7	21	52	5	3	4	.429	0	13.4	4.50
Campillo,Jorge	Atl	31	36	21	142	149	14	39	95	3	9	7	.562	0	12.1	3.93
Capps,Matt	Pit	26	55	0	57	56	7	11	45	2	3	3	.500	30	10.9	3.47
Caridad,Esmailin	ChC	26	27	0	39	39	6	13	30	7	2	3	.400	0	13.6	4.85
Carlson,Jesse	Tor	29	71	0	67	67	7	21	59	4	4	4	.500	0	12.4	3.90
Carmona,Fausto	Cle	26	28	28	152	162	15	59	96	11	7	9	.438	0	13.7	4.56
Carpenter,Chris	StL	35	28	28	195	169	13	42	154	7	16	6	.727	0	10.1	2.95
Carrasco,Carlos	Cle	23	10	10	45	48	6	19	40	6	2	3	.400	0	14.6	5.20
Carrasco,D.J.	CWS	33	44	0	90	103	8	36	59	5	4	6	.400	0	14.4	4.90
Casilla,Santiago	Oak	29	45	0	51	50	5	24	50	3	2	3	.400	0	13.6	4.41
Cecil,Brett	Tor	23	19	18	98	103	10	40	85	15	4	7	.364	0	14.5	4.87
Chamberlain,Joba	NYY	24	33	33	176	167	18	77	190	9	11	8	.579	0	12.9	3.94
Chavez,Jesse	Pit	26	73	0	72	79	9	28	59	1	3	5	.375	0	13.5	4.75

2010 Pitcher Projections

PLAYER			HOW MUCH				WHAT HE WILL GIVE UP				THE RESULTS					
Pitcher	Team	Age	G	GS	IP	H	HR	BB	SO	HB	W	L	Pct	Sv	BR/9	ERA
Chen, Bruce	KC	33	23	9	78	81	14	29	56	5	3	6	.333	0	13.3	4.96
Clippard, Tyler	Was	25	62	0	91	85	13	45	84	8	4	6	.400	0	13.6	4.55
Coffey, Todd	Mil	29	81	0	87	96	10	26	66	4	4	5	.444	0	13	4.45
Coke, Phil	NYY	27	70	0	56	53	6	20	52	6	4	3	.571	1	12.7	3.86
Colon, Bartolo	CWS	37	6	6	31	33	5	9	21	1	2	2	.500	0	12.5	4.35
Colon, Roman	KC	30	50	0	63	73	9	24	42	3	2	5	.286	0	14.3	5.43
Condrey, Clay	Phi	34	41	0	39	45	3	12	21	2	2	2	.500	0	13.6	4.62
Contreras, Jose	Col	38	20	12	70	72	8	26	50	4	4	4	.500	0	13.1	4.37
Cook, Aaron	Col	31	28	28	164	186	14	47	69	5	9	9	.500	0	13.1	4.34
Cordero, Francisco	Cin	35	72	0	100	86	6	43	108	3	6	5	.545	37	11.9	3.15
Cormier, Lance	TB	29	57	0	72	82	8	31	42	1	3	5	.375	0	14.2	5.00
Corpas, Manny	Col	27	65	0	67	68	5	16	49	2	5	3	.625	4	11.6	3.49
Correia, Kevin	SD	29	33	33	217	225	23	81	156	7	11	13	.458	0	13	4.23
Crain, Jesse	Min	28	68	0	69	67	6	27	50	3	4	4	.500	0	12.7	3.91
Cruz, Juan	KC	31	29	0	35	30	3	18	37	3	2	2	.500	0	13.1	3.86
Cueto, Johnny	Cin	24	30	30	174	172	26	60	155	15	9	10	.474	0	12.8	4.40
Daley, Matt	Col	28	68	0	58	54	7	20	53	2	4	3	.571	0	11.8	3.57
Danks, John	CWS	25	33	33	206	209	29	75	168	5	11	12	.478	0	12.6	4.33
Davies, Kyle	KC	26	22	22	126	135	15	60	91	7	5	9	.357	0	14.4	5.07
Davis, Doug	Ari	34	34	34	202	207	21	93	153	5	11	12	.478	0	13.6	4.46
Davis, Wade	TB	24	26	26	151	146	14	65	134	22	8	9	.471	0	13.9	4.35
de la Rosa, Jorge	Col	29	33	33	194	200	22	94	174	9	10	11	.476	0	14.1	4.73
Delcarmen, Manny	Bos	28	63	0	58	54	4	27	54	2	4	3	.571	0	12.9	3.72
Dempster, Ryan	ChC	33	30	30	195	183	18	81	167	6	12	10	.545	0	12.5	3.83
Dessens, Elmer	NYM	39	30	0	35	37	4	11	22	1	2	2	.500	0	12.6	4.11
Devine, Joey	Oak	26	50	0	44	33	2	22	55	3	3	2	.600	0	11.9	2.86
Dickey, R.A.	Min	35	21	0	37	43	5	14	22	2	1	3	.250	0	14.4	5.35
DiFelice, Mark	Mil	33	53	0	43	39	5	9	40	3	3	2	.600	0	10.7	3.14
DiNardo, Lenny	KC	30	10	10	43	52	4	16	28	4	2	3	.400	0	15.1	5.23
Donnelly, Brendan	Fla	38	41	0	36	33	3	13	33	2	2	2	.500	2	12	3.50
Dotel, Octavio	CWS	36	57	0	64	53	9	28	80	3	4	3	.571	0	11.8	3.66
Downs, Scott	Tor	34	55	0	54	52	5	19	45	2	3	3	.500	16	12.2	3.67
Duchscherer, Justin	Oak	32	23	23	151	131	13	38	113	8	10	6	.625	0	10.5	3.16
Duensing, Brian	Min	27	32	16	134	153	14	41	86	14	6	9	.400	0	14	4.84
Duke, Zach	Pit	27	31	31	206	244	20	52	104	5	9	14	.391	0	13.2	4.54
Dumatrait, Phil	Pit	28	40	0	38	42	5	20	24	1	1	3	.250	0	14.9	5.45
Durbin, Chad	Phi	32	53	0	66	66	9	29	48	4	3	4	.429	0	13.5	4.50
Eaton, Adam	Col	32	12	4	36	41	5	13	24	3	2	2	.500	0	14.2	5.25
Embree, Alan	Col	40	60	0	45	45	5	15	37	1	3	2	.600	0	12.2	3.80
Eveland, Dana	Oak	26	15	9	48	52	4	22	37	4	2	3	.400	0	14.6	4.69
Eyre, Scott	Phi	38	44	0	31	29	3	15	29	1	2	2	.500	0	13.1	4.06
Eyre, Willie	Tex	31	35	0	35	36	3	14	23	2	2	2	.500	0	13.4	4.11
Farnsworth, Kyle	KC	34	40	0	40	38	6	17	42	1	2	3	.400	0	12.6	4.28
Feldman, Scott	Tex	27	32	32	195	194	20	73	113	11	11	11	.500	0	12.8	4.06
Feliciano, Pedro	NYM	33	87	0	57	52	5	23	53	3	3	3	.500	0	12.3	3.63
Figueroa, Nelson	NYM	36	15	6	53	56	6	18	40	6	2	3	.400	0	13.6	4.58
Fisher, Carlos	Cin	27	43	0	59	60	5	28	53	2	3	4	.429	0	13.7	4.42
Fister, Doug	Sea	26	21	19	122	142	14	31	88	13	5	9	.357	0	13.7	4.87
Floyd, Gavin	CWS	27	30	30	190	196	27	72	144	10	9	12	.429	0	13.2	4.59
Fogg, Josh	Col	33	25	2	54	61	8	19	28	4	3	3	.500	0	14	5.17
Francis, Jeff	Col	29	26	26	157	171	19	52	109	7	9	9	.500	0	13.2	4.59
Francisco, Frank	Tex	30	58	0	57	45	5	25	65	2	4	2	.667	30	11.4	3.00
Franklin, Ryan	SIL	37	62	0	61	62	8	19	33	2	4	3	.571	17	12.2	4.13
Frasor, Jason	Tor	32	58	0	58	51	5	25	55	2	4	3	.571	1	12.1	3.41
French, Luke	Sea	24	19	16	91	102	11	33	57	12	3	7	.300	0	14.5	5.14
Fuentes, Brian	LAA	34	66	0	56	47	5	23	60	5	4	2	.667	40	12.1	3.38
Fulchino, Jeff	Hou	30	73	0	93	102	9	41	71	6	4	6	.400	0	14.4	4.94
Galarraga, Armando	Det	28	27	19	117	119	18	47	86	7	6	7	.462	0	13.3	4.62
Gallagher, Sean	SD	24	35	4	40	39	3	21	36	3	2	3	.400	0	14.2	4.50
Gallardo, Yovani	Mil	24	31	31	186	157	17	84	205	5	12	8	.600	0	11.9	3.53
Garcia, Freddy	CWS	34	17	17	112	116	15	31	81	4	6	6	.500	0	12.1	4.18
Garland, Jon	LAD	30	33	33	216	235	25	64	109	6	12	12	.500	0	12.7	4.33
Garza, Matt	TB	26	31	31	201	193	20	73	175	9	12	10	.545	0	12.3	3.85
Gaudin, Chad	NYY	27	35	16	138	141	14	60	111	6	8	7	.533	0	13.5	4.30
Geer, Josh	SD	27	23	23	137	150	18	34	81	14	6	9	.400	0	13	4.53
Gervacio, Sammy	Hou	25	56	0	42	38	5	18	49	0	2	2	.500	0	12	3.64
Gonzalez, Edgar	Oak	27	15	5	45	52	6	14	30	4	2	3	.400	0	14	5.00
Gonzalez, Gio	Oak	24	22	22	155	145	21	86	168	13	6	11	.353	0	14.2	4.76
Gonzalez, Mike	Atl	32	79	0	78	62	6	34	92	4	6	3	.667	5	11.5	3.12
Gorzalanny, Tom	ChC	27	29	14	81	80	7	32	64	5	5	4	.556	0	13	4.11
Gosling, Mike	Cle	29	19	0	32	38	4	14	27	1	1	2	.333	0	14.9	5.63
Grabow, John	ChC	31	78	0	72	67	7	34	61	2	4	4	.500	0	12.9	4.00
Gray, Jeff	Oak	28	42	0	50	55	4	14	35	2	2	3	.400	0	12.8	4.14
Green, Sean	NYM	31	79	0	69	68	3	35	51	5	4	4	.500	0	14.1	4.04
Gregerson, Luke	SD	26	81	0	82	69	5	32	92	2	6	3	.667	4	11.3	2.96
Gregg, Kevin	ChC	32	67	0	65	58	7	27	60	3	4	3	.571	4	12.2	3.60
Greinke, Zack	KC	26	33	33	225	211	21	57	209	7	13	12	.520	0	11	3.32
Grilli, Jason	Tex	33	45	0	37	38	3	17	28	2	2	2	.500	0	13.9	4.38
Guerrier, Matt	Min	31	77	0	75	72	9	23	51	2	5	4	.556	0	11.6	3.72
Guthrie, Jeremy	Bal	31	33	33	216	223	29	73	137	10	12	12	.500	0	12.8	4.38
Gutierrez, Juan	Ari	26	63	0	68	74	7	27	54	5	3	4	.429	4	14	4.76

2010 Pitcher Projections

PLAYER			HOW MUCH				WHAT HE WILL GIVE UP				THE RESULTS					
Pitcher	Team	Age	G	GS	IP	H	HR	BB	SO	HB	W	L	Pct	Sv	BR/9	ERA
Guzman,Angel	ChC	28	50	0	58	55	6	25	53	4	3	3	.500	0	13	4.03
Haeger,Charlie	LAD	26	12	6	38	38	5	19	27	4	2	2	.500	0	14.4	4.97
Halladay,Roy	Tor	33	33	33	240	232	19	42	179	7	17	10	.630	0	10.5	3.23
Hamels,Cole	Phi	26	33	33	210	193	27	53	195	3	15	9	.625	0	10.7	3.43
Hammel,Jason	Col	27	32	32	182	200	20	63	144	8	10	10	.500	0	13.4	4.55
Hampton,Mike	Hou	37	14	14	76	85	8	30	41	2	3	5	.375	0	13.9	4.74
Hanrahan,Joel	Pit	28	64	0	64	64	8	36	60	2	3	4	.429	0	14.3	4.78
Hanson,Tommy	Atl	23	32	32	191	149	18	71	206	22	14	7	.667	0	11.4	3.30
Happ,J.A.	Phi	27	31	31	188	182	25	77	171	12	10	11	.476	0	13	4.31
Harang,Aaron	Cin	32	32	32	211	222	30	57	179	6	11	12	.478	0	12.2	4.18
Harden,Rich	ChC	28	24	24	135	107	14	59	147	4	10	5	.667	0	11.3	3.33
Haren,Dan	Ari	29	33	33	221	209	25	47	191	6	16	9	.640	0	10.7	3.38
Harrison,Matt	Tex	24	20	20	119	138	12	41	73	7	6	8	.429	0	14.1	4.92
Hart,Kevin	Pit	27	23	21	120	120	14	53	104	10	5	8	.385	0	13.7	4.58
Hawkins,LaTroy	Hou	37	62	0	63	61	6	17	45	1	4	3	.571	0	11.3	3.29
Hawthorn,Blake	StL	27	43	0	54	59	7	20	38	6	3	3	.500	0	14.2	5.00
Heilman,Aaron	ChC	31	66	0	72	66	8	31	63	4	4	4	.500	0	12.6	3.88
Hendrickson,Mark	Bal	36	55	2	65	75	8	19	37	1	3	4	.429	0	13.2	4.71
Herges,Matt	Col	40	28	0	31	33	3	11	21	1	2	2	.500	0	13.1	4.06
Hernandez,David	Bal	25	27	27	135	133	22	63	133	18	6	9	.400	0	14.3	5.07
Hernandez,Felix	Sea	24	35	35	235	213	19	79	216	7	14	12	.538	0	11.5	3.37
Hernandez,Livan	Was	35	31	31	186	218	23	61	103	4	8	13	.381	0	13.7	4.98
Herrera,Daniel Ray	Cin	25	70	0	61	58	5	22	53	2	4	3	.571	0	12.1	3.54
Hochevar,Luke	KC	26	29	29	171	191	23	58	121	12	7	12	.368	0	13.7	4.95
Hoffman,Trevor	Mil	42	61	0	63	52	5	14	57	1	4	3	.571	39	9.6	2.43
Howell,J.P.	TB	27	75	0	72	69	9	30	72	4	4	4	.500	6	12.9	4.13
Howry,Bob	SF	36	64	0	68	65	8	18	54	2	4	3	.571	0	11.2	3.44
Hudson,Tim	Atl	34	24	24	146	147	11	41	89	6	10	6	.625	0	12	3.64
Huff,David	Cle	25	24	24	143	150	17	45	106	15	7	9	.438	0	13.2	4.47
Hughes,Phil	NYN	24	61	12	121	110	10	41	122	7	9	5	.643	2	11.8	3.27
Hunter,Tommy	Tex	23	28	28	170	191	22	49	103	17	8	11	.421	0	13.6	4.82
Jackson,Edwin	Det	26	33	33	218	232	28	95	155	5	10	14	.417	0	13.7	4.75
Jackson,Steven	Pit	28	53	0	58	65	6	25	46	1	2	4	.333	0	14.1	4.81
Jakubauskas,Chris	Sea	31	29	4	68	66	7	22	46	5	4	4	.500	0	12.3	3.84
Janssen,Casey	Tor	28	33	2	41	46	4	11	26	2	2	2	.500	0	13	4.39
Jenks,Bobby	CWS	29	50	0	54	47	4	18	50	2	4	2	.667	30	11.2	3.00
Jennings,Jason	Tex	31	33	0	42	46	5	19	28	1	2	3	.400	0	14.1	5.14
Jepsen,Kevin	LAA	25	51	0	52	53	4	27	49	0	3	3	.500	2	13.8	4.33
Jimenez,Ubaldo	Col	26	33	33	210	195	17	102	182	11	13	10	.565	0	13.2	3.94
Johnson,Jim	Bal	27	63	0	68	77	7	27	46	5	3	4	.429	4	14.4	5.03
Johnson,Josh	Fla	26	33	33	206	199	13	72	181	6	14	9	.609	0	12.1	3.63
Johnson,Randy	SF	46	18	8	54	50	7	13	51	2	3	3	.500	0	10.8	3.67
Jurrjens,Jair	Atl	24	34	34	210	204	16	75	153	4	14	9	.609	0	12.1	3.69
Karstens,Jeff	Pit	27	38	11	87	95	11	28	57	3	4	6	.400	0	13	4.55
Kazmir,Scott	LAA	26	29	29	173	160	18	76	176	6	10	9	.526	0	12.6	3.90
Kendrick,Kyle	Phi	25	14	4	47	53	5	14	21	5	2	3	.400	0	13.8	4.60
Kensing,Logan	Was	27	36	0	41	40	6	20	38	2	2	3	.400	0	13.6	4.61
Keppel,Bobby	Min	28	54	0	78	98	9	29	40	8	3	6	.333	0	15.6	5.88
Kershaw,Clayton	LAD	22	31	31	180	140	11	91	188	6	13	7	.650	0	11.8	3.25
Kilby,Brad	Oak	27	21	2	34	28	3	13	35	0	2	2	.500	0	10.9	2.91
Kuo,Hong-Chih	LAD	28	53	0	48	40	3	20	56	2	4	2	.667	0	11.6	3.00
Kuroda,Hiroki	LAD	35	22	21	128	127	16	35	85	1	8	6	.571	0	11.5	3.80
Lackey,John	LAA	31	30	30	208	207	21	60	166	11	13	10	.565	0	12	3.81
Laffey,Aaron	Cle	25	28	25	157	183	12	60	92	12	7	11	.389	0	14.6	4.99
Lannan,John	Was	25	32	32	199	200	21	73	101	7	11	11	.500	0	12.7	4.03
League,Brandon	Tor	27	67	0	77	82	7	27	61	6	4	5	.444	0	13.4	4.32
LeBlanc,Wade	SD	25	22	22	127	119	19	44	110	17	6	8	.429	0	12.8	4.32
Lee,Cliff	Phi	31	32	32	222	228	21	60	168	7	14	11	.560	0	12	3.81
Lehr,Justin	Cin	32	20	20	123	132	15	43	74	10	6	8	.429	0	13.5	4.68
Lester,Jon	Bos	26	31	31	206	200	19	80	184	6	13	10	.565	0	12.5	3.84
Lewis,Jensen	Cle	26	50	0	74	68	9	31	75	3	4	4	.500	0	12.4	3.89
Lidge,Brad	Phi	33	69	0	60	51	6	28	78	4	4	3	.571	28	12.4	3.60
Lilly,Ted	ChC	34	25	25	170	155	24	56	144	4	11	8	.579	0	11.4	3.76
Lincecum,Tim	SF	26	31	31	228	176	12	80	261	6	18	7	.720	0	10.3	2.80
Lindstrom,Matt	Fla	30	58	0	51	55	4	25	44	3	3	3	.500	26	14.6	4.76
Linebrink,Scott	CWS	33	55	0	58	56	8	20	50	1	3	3	.500	0	11.9	3.88
Liriano,Francisco	Min	26	35	11	125	116	13	46	128	7	8	6	.571	0	12.2	3.67
Litsch,Jesse	Tor	25	15	15	75	80	9	18	46	5	4	4	.500	0	12.4	4.20
Lohse,Kyle	StL	31	24	22	118	128	14	36	72	5	6	7	.462	0	12.9	4.35
Looper,Brad	Mil	35	34	34	201	220	28	59	108	7	10	12	.455	0	12.8	4.52
Loux,Shane	LAA	30	17	3	49	61	4	16	22	7	2	3	.400	0	15.4	5.51
Lowe,Derek	Atl	37	34	34	193	211	16	55	110	4	12	9	.571	0	12.6	4.06
Lowe,Mark	Sea	27	77	0	88	86	8	38	77	2	4	5	.444	1	12.9	3.99
Lyon,Brandon	Det	30	68	0	82	82	7	26	54	1	5	4	.556	8	12	3.73
MacDougal,Mike	Was	33	67	0	67	66	4	39	59	3	3	4	.429	4	14.5	4.43
Madson,Ryan	Phi	29	77	0	79	80	8	24	66	4	5	4	.556	2	12.3	3.87
Mahay,Ron	Min	39	59	0	48	48	6	22	40	1	2	3	.400	0	13.3	4.50
Maholm,Paul	Pit	28	29	29	197	212	19	66	126	8	9	12	.429	0	13.1	4.29
Maine,John	NYM	29	27	27	168	153	20	73	137	5	9	9	.500	0	12.4	3.86
Maloney,Matt	Cin	26	9	9	55	56	8	15	49	6	3	3	.500	0	12.6	4.42
Manship,Jeff	Min	25	21	10	63	73	5	22	42	10	3	4	.429	0	15	5.00

2010 Pitcher Projections

PLAYER			HOW MUCH			WHAT HE WILL GIVE UP					THE RESULTS					
Pitcher	Team	Age	G	GS	IP	H	HR	BB	SO	HB	W	L	Pct	Sv	BR/9	ERA
Marcum,Shaun	Tor	28	22	22	120	116	19	37	99	6	6	7	.462	0	11.9	4.05
Marmol,Carlos	ChC	27	74	0	73	52	6	45	84	7	5	3	.625	34	12.8	3.45
Marquis,Jason	Col	31	32	32	202	209	22	77	110	9	12	11	.522	0	13.1	4.37
Marshall,Sean	ChC	27	51	6	71	70	8	27	53	3	4	4	.500	0	12.7	4.06
Marte,Damaso	NYN	35	61	0	43	37	4	20	46	2	3	2	.600	0	12.3	3.56
Martin,J.D.	Was	27	29	29	177	182	19	44	125	20	10	10	.500	0	12.5	4.07
Martinez,Joe	SF	27	14	10	56	60	3	16	38	9	3	3	.500	0	13.7	4.18
Martinez,Pedro	Phi	38	17	17	89	82	11	23	88	5	6	4	.600	0	11.1	3.54
Martis,Shairon	Was	23	7	7	43	48	6	17	26	5	2	3	.400	0	14.7	5.23
Masset,Nick	Cin	28	86	0	84	94	9	35	63	3	4	6	.400	0	14.1	4.82
Masterson,Justin	Cle	25	30	30	171	161	14	74	151	14	10	9	.526	0	13.1	4.00
Mathis,Doug	Tex	27	29	1	46	54	4	15	30	4	2	3	.400	0	14.3	4.89
Matsuzaka,Daisuke	Bos	29	32	32	195	184	21	83	184	10	12	10	.545	0	12.8	4.02
Mazzaro,Vin	Oak	23	17	17	91	94	6	30	65	11	4	6	.400	0	13.4	4.05
McCarthy,Brandon	Tex	26	26	26	162	158	22	59	123	8	9	9	.500	0	12.5	4.11
McClellan,Kyle	StL	26	65	0	66	62	5	27	52	2	4	3	.571	1	12.4	3.68
McClung,Seth	Mil	29	24	1	36	35	4	21	30	2	2	2	.500	0	14.5	4.75
McCutchen,Daniel	Pit	27	12	12	73	78	10	18	54	10	3	5	.375	0	13.1	4.56
McDonald,James	LAD	25	54	2	74	62	8	33	75	10	5	4	.556	0	12.8	3.77
McGowan,Dustin	Tor	28	17	17	80	79	7	33	68	3	4	5	.444	0	12.9	4.05
Meche,Gil	KC	31	27	27	153	157	18	60	115	3	7	10	.412	0	12.9	4.29
Medders,Brandon	SF	30	60	0	74	73	8	36	58	2	4	5	.444	0	13.5	4.38
Medlen,Kris	Atl	24	47	2	75	71	5	25	80	8	5	3	.625	0	12.5	3.60
MEEK, Evan	Pit	27	29	0	32	30	2	18	28	0	2	2	.500	0	13.5	3.94
Meredith,Cla	Bal	27	67	0	70	76	5	20	49	2	4	4	.500	0	12.6	3.99
Meyer,Dan	Fla	28	65	0	56	57	7	26	44	4	3	3	.500	0	14	4.66
Mijares,Jose	Min	25	79	0	70	58	9	34	67	2	4	4	.500	0	12.1	3.60
Miller,Andrew	Fla	25	27	20	109	113	8	63	92	8	5	7	.417	0	15.2	4.87
Miller,Justin	SF	32	36	0	43	41	5	21	37	1	2	3	.400	0	13.2	4.40
Miller,Trever	StL	37	74	0	46	40	5	18	45	4	3	2	.600	0	12.1	3.72
Millwood,Kevin	Tex	35	29	29	175	190	19	55	126	7	9	10	.474	0	13	4.37
Miner,Zach	Det	28	57	4	101	108	9	47	65	3	5	6	.455	0	14.1	4.63
Misch,Pat	NYM	28	40	4	56	63	7	16	38	4	3	4	.429	0	13.3	4.66
Mitre,Sergio	NYN	29	15	6	45	54	5	13	29	4	2	3	.400	0	14.2	5.00
Mock,Garrett	Was	27	31	25	143	158	14	59	122	12	6	10	.375	0	14.4	4.91
Moehler,Brian	Hou	38	30	30	163	197	21	47	89	5	7	11	.389	0	13.7	5.08
Morales,Franklin	Col	24	57	1	56	56	6	33	43	7	3	4	.429	4	15.4	5.30
Morrow,Brandon	Sea	25	25	25	135	112	13	79	131	8	7	8	.467	0	13.3	3.93
Mortensen,Clayton	Oak	25	12	12	57	65	8	25	39	10	2	5	.286	0	15.8	5.84
Morton,Charlie	Pit	26	23	23	136	134	8	57	102	12	7	8	.467	0	13.4	3.97
Mota,Guillermo	LAD	36	53	0	55	50	6	21	44	2	4	3	.571	0	11.9	3.60
Motte,Jason	StL	28	65	0	56	49	6	24	68	2	4	3	.571	0	12.1	3.54
Moyer,Jamie	Phi	47	29	19	154	165	22	43	91	7	8	9	.471	0	12.6	4.38
Moylan,Peter	Atl	31	86	0	78	71	4	37	63	5	5	3	.625	0	13	3.58
Mujica,Edward	SD	26	61	8	103	112	13	25	88	1	5	6	.455	0	12.1	4.11
Mulvey,Kevin	Ari	25	13	8	47	50	4	17	35	6	2	3	.400	0	14	4.60
Myers,Brett	Phi	29	27	27	171	172	27	59	147	7	9	10	.474	0	12.5	4.37
Narveson,Chris	Mil	28	28	8	78	77	11	34	65	7	4	5	.444	0	13.6	4.73
Nathan,Joe	Min	35	71	0	75	51	5	23	90	2	6	3	.667	43	9.1	1.92
Neshek,Pat	Min	29	40	0	35	27	5	10	42	1	3	1	.750	0	9.8	2.57
Niemann,Jeff	TB	27	32	32	202	203	25	78	171	19	10	12	.455	0	13.4	4.46
Niese,Jonathon	NYM	23	20	20	118	122	10	43	101	18	6	8	.429	0	14	4.50
Nieve,Fernando	NYM	27	20	11	71	75	11	31	61	5	3	5	.375	0	14.1	5.07
Nippert,Dustin	Tex	29	30	5	88	91	10	39	72	5	4	5	.444	0	13.8	4.70
Nolasco,Ricky	Fla	27	32	32	205	207	27	52	189	8	13	10	.565	0	11.7	3.86
Norris,Bud	Hou	25	20	19	107	110	11	50	104	17	5	7	.417	0	14.9	5.05
Nunez,Leo	Fla	26	71	0	67	64	10	23	51	3	4	3	.571	9	12.1	4.03
O'Day,Darren	Tex	27	69	0	60	55	4	20	50	4	4	3	.571	5	11.8	3.45
O'Flaherty,Eric	Atl	25	75	0	60	62	3	24	48	6	4	3	.571	0	13.8	4.20
Ohka,Tomo	Cle	34	20	4	76	88	14	21	42	6	3	5	.375	0	13.6	5.33
Ohlendorf,Ross	Pit	27	26	26	167	191	23	50	118	9	7	12	.368	0	13.5	4.90
Okajima,Hideki	Bos	34	65	0	58	51	6	19	53	1	4	2	.667	0	11	3.26
Oliver,Darren	LAA	39	65	0	78	79	8	24	54	4	5	4	.556	0	12.3	3.92
Olsen,Scott	Was	26	22	22	121	131	18	50	91	3	5	8	.385	0	13.7	4.98
Olson,Garrett	Sea	26	29	5	57	59	8	27	44	4	2	4	.333	0	14.2	4.89
Ortiz,Russ	Hou	36	11	6	43	47	5	22	27	2	2	3	.400	0	14.9	5.23
Oswalt,Roy	Hou	32	33	33	205	205	18	48	159	8	13	10	.565	0	11.5	3.60
Owings,Micah	Cin	27	23	11	85	86	11	37	60	7	4	5	.444	0	13.8	4.66
Padilla,Vicente	LAD	32	26	24	141	149	18	51	97	10	7	8	.467	0	13.4	4.66
Palmer,Matt	LAA	31	45	8	114	119	12	49	80	12	6	7	.462	0	14.2	4.74
Papelbon,Jonathan	Bos	29	62	0	68	53	5	18	75	3	5	3	.625	41	9.8	2.38
Park,Chan Ho	Phi	37	43	3	66	74	10	27	51	4	3	4	.429	0	14.3	5.32
Parnell,Bobby	NYM	25	58	1	59	64	6	30	46	7	2	4	.333	0	15.4	5.34
Parra,Manny	Mil	27	28	28	147	158	13	67	130	4	7	9	.438	0	14	4.59
Paulino,Felipe	Hou	26	24	24	130	142	17	62	118	7	5	9	.357	0	14.6	5.19
Pavano,Carl	Min	34	32	32	200	227	25	45	132	10	10	12	.455	0	12.7	4.46
Peavy,Jake	CWS	29	33	33	215	181	19	69	217	7	16	8	.667	0	10.8	3.18
Pelfrey,Mike	NYM	26	31	31	194	211	15	74	122	13	9	12	.429	0	13.8	4.45
Pena,Tony	CWS	28	74	0	76	76	7	21	56	3	5	4	.556	0	11.8	3.67
Penny,Brad	SF	32	29	29	182	191	18	57	123	5	10	11	.476	0	12.5	4.01
Perez,Chris	Cle	24	61	0	63	46	7	37	76	5	4	3	.571	0	12.6	3.57

2010 Pitcher Projections

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Pitcher	Team	Age	G	GS	IP	H	HR	BB	SO	HB	W	L	Pct	Sv	BR/9	ERA
Perez, Oliver	NYM	28	28	28	173	158	26	100	170	9	8	11	.421	0	13.9	4.73
Perez, Rafael	Cle	28	59	0	58	58	5	20	51	2	3	3	.500	1	12.4	3.72
Perkins, Glen	Min	27	12	10	56	63	8	20	38	2	3	4	.429	0	13.7	4.82
Petit, Yusmeiro	Ari	25	35	10	105	108	19	30	84	4	6	6	.500	0	12.2	4.37
Pettitte, Andy	NYY	38	31	31	198	210	19	59	150	3	13	9	.591	0	12.4	3.91
Pineiro, Joel	StL	31	33	33	205	224	22	53	118	7	12	11	.522	0	12.5	4.17
Pinto, Renyel	Fla	27	79	0	68	59	6	44	66	5	4	4	.500	0	14.3	4.37
Porcello, Rick	Det	21	34	34	195	205	26	59	105	3	10	11	.476	0	12.3	4.25
Price, David	TB	24	30	30	180	166	24	78	157	18	10	10	.500	0	13.1	4.30
Purcey, David	Tor	28	10	10	58	61	6	31	52	7	2	4	.333	0	15.4	5.12
Putz, J.J.	NYM	33	52	0	54	45	4	20	55	2	4	2	.667	0	11.2	3.00
Qualls, Chad	Ari	31	48	0	50	48	5	13	41	3	3	2	.600	39	11.5	3.42
Ramirez, Ramon	Bos	28	71	0	73	68	7	31	63	2	5	3	.625	0	12.5	3.82
Rauch, Jon	Min	31	74	0	72	68	8	22	59	1	5	3	.625	0	11.4	3.50
Ray, Chris	Bal	28	56	0	55	52	7	24	51	2	3	3	.500	0	12.8	4.09
Redding, Tim	NYM	32	38	20	156	171	22	59	104	5	7	11	.389	0	13.6	4.85
Reyes, Dennis	StL	33	74	0	46	44	3	22	38	2	3	2	.600	0	13.3	3.91
Rhodes, Arthur	Cin	40	64	0	53	45	3	21	52	1	4	2	.667	0	11.4	2.89
Richard, Clayton	SD	26	30	30	166	167	15	58	115	11	9	10	.474	0	12.8	4.01
Richmond, Scott	Tor	30	28	26	145	152	26	53	124	12	6	10	.375	0	13.5	5.03
Rincon, Juan	Col	31	30	0	36	35	3	16	33	1	2	2	.500	0	13	4.00
Rivera, Mariano	NYY	40	65	0	68	55	4	12	66	3	5	2	.714	44	9.3	2.12
Rivera, Saul	Was	32	43	0	59	64	3	26	42	2	3	4	.429	0	14	4.42
Robertson, David	NYY	25	46	0	45	34	2	23	63	0	4	1	.800	0	11.4	2.60
Robertson, Nate	Det	32	23	19	103	115	14	37	70	3	5	7	.417	0	13.5	4.89
Rodney, Fernando	Det	33	79	0	85	76	8	45	81	5	5	5	.500	30	13.3	4.02
Rodriguez, Francisco	NYM	28	69	0	64	47	5	30	79	1	4	3	.571	42	11	2.67
Rodriguez, Rafael	LAA	25	17	0	30	36	4	11	19	1	1	2	.333	0	14.4	5.40
Rodriguez, Wandy	Hou	31	33	33	212	214	24	75	179	8	11	12	.478	0	12.6	4.12
Roenicke, Josh	Tor	27	30	0	42	40	2	18	46	1	3	2	.600	0	12.6	3.64
Romero, J.C.	Phi	34	42	0	35	30	3	21	28	3	2	2	.500	0	13.9	4.11
Romero, Ricky	Tor	25	30	30	190	217	20	96	147	18	7	14	.333	0	15.7	5.59
Romo, Sergio	SF	27	57	0	44	34	2	12	48	2	4	1	.800	0	9.8	2.25
Rosa, Carlos	KC	25	32	0	41	44	4	17	34	3	2	3	.400	3	14	4.61
Rosales, Leo	Ari	29	38	0	47	46	5	17	34	1	3	2	.600	0	12.3	3.83
Rowland-Smith, Ryan	Sea	27	25	25	167	161	15	62	127	10	9	10	.474	0	12.6	3.88
Sabathia, CC	NYY	29	34	34	238	224	20	67	202	8	18	9	.667	0	11.3	3.40
Saito, Takashi	Bos	40	56	0	60	52	5	18	62	4	5	2	.714	0	11.1	3.00
Samardzija, Jeff	ChC	25	20	4	43	46	7	19	32	6	2	3	.400	0	14.9	5.44
Sampson, Chris	Hou	32	32	0	35	38	4	7	18	1	2	2	.500	0	11.8	3.86
Sanchez, Brian	Fla	31	57	0	75	73	10	29	75	4	4	4	.500	0	12.7	4.20
Sanchez, Anibal	Fla	26	21	21	118	118	12	55	99	7	6	7	.462	0	13.7	4.42
Sanchez, Jonathan	SF	27	33	31	184	162	18	94	196	9	10	10	.500	0	13	3.91
Santana, Ervin	LAA	27	29	27	183	187	24	57	152	10	10	10	.500	0	12.5	4.23
Santana, Johan	NYM	31	33	33	225	188	26	57	224	4	17	8	.680	0	10	3.08
Sarfate, Dennis	Bal	29	45	0	42	41	5	28	42	3	2	3	.400	0	15.4	5.36
Saunders, Joe	LAA	29	29	29	178	186	21	56	110	4	10	10	.500	0	12.4	4.15
Scherzer, Max	Ari	25	30	30	180	163	16	74	194	15	11	9	.550	0	12.6	3.80
Schoeneweis, Scott	Ari	36	53	0	31	32	4	13	20	2	2	2	.500	0	13.6	4.65
Seay, Bobby	Det	32	64	0	48	47	3	18	40	3	3	2	.600	0	12.8	3.75
Sherrill, George	LAD	33	77	0	74	58	5	33	77	2	6	3	.667	2	11.3	2.92
Shields, James	TB	28	32	32	220	224	27	49	178	8	14	11	.560	0	11.5	3.80
Shields, Scot	LAA	34	62	0	60	52	5	23	56	2	4	2	.667	2	11.6	3.15
Shouse, Brian	TB	41	57	0	33	33	3	11	21	2	2	2	.500	0	12.5	3.82
Silva, Carlos	Sea	31	22	10	78	96	10	15	32	3	3	6	.333	0	13.2	4.85
Sipp, Tony	Cle	26	46	0	35	29	4	17	44	0	2	2	.500	0	11.8	3.34
Slowey, Kevin	Min	26	30	30	190	201	25	32	152	6	11	10	.524	0	11.3	3.84
Smith, Chris	Mil	29	37	0	47	53	7	14	36	3	2	3	.400	0	13.4	4.98
Smith, Joe	Cle	26	32	0	32	30	2	15	28	2	2	2	.500	0	13.2	3.94
Smoltz, John	StL	43	10	10	50	48	5	11	45	1	3	2	.600	0	10.8	3.42
Snell, Ian	Sea	28	30	30	169	175	18	75	137	5	7	11	.389	0	13.6	4.47
Sonnanstine, Andy	TB	27	21	13	77	87	10	18	54	3	4	5	.444	0	12.6	4.44
Soria, Joakim	KC	26	50	0	62	47	4	18	69	3	4	3	.571	32	9.9	2.32
Soriano, Rafael	Atl	30	81	0	79	57	8	25	90	3	6	3	.667	34	9.7	2.39
Sosa, Jorge	Was	33	35	0	45	47	6	20	32	1	2	3	.400	0	13.6	4.60
Sowers, Jeremy	Cle	27	27	27	150	167	15	48	81	8	7	9	.438	0	13.4	4.44
Springer, Russ	TB	41	78	0	58	52	7	18	53	2	4	3	.571	0	11.2	3.41
Stammen, Craig	Was	26	20	20	120	131	13	33	64	12	6	8	.429	0	13.2	4.50
Stauter, Tim	SD	28	21	21	114	124	13	39	78	6	5	7	.417	0	13.3	4.58
Stetter, Mitch	Mil	29	65	0	39	33	3	19	39	3	2	2	.500	0	12.7	3.69
Stokes, Brian	NYM	30	59	0	61	66	6	25	42	5	3	4	.429	0	14.2	4.72
Street, Huston	Col	26	56	0	57	45	5	15	60	1	4	2	.667	31	9.6	2.37
Stults, Eric	LAD	30	6	6	32	36	4	12	25	3	1	2	.333	0	14.3	5.06
Suppan, Jeff	Mil	35	28	28	152	175	20	54	81	7	7	10	.412	0	14	5.09
Swarzak, Anthony	Min	24	12	12	50	57	6	17	34	7	2	3	.400	0	14.6	5.22
Tallet, Brian	Tor	32	50	3	85	86	9	36	63	4	4	5	.444	0	13.3	4.34
Tejeda, Robinson	KC	28	37	12	106	95	11	63	96	6	5	7	.417	0	13.9	4.33
Thatcher, Joe	SD	28	70	0	56	52	3	19	62	2	4	3	.571	0	11.7	3.21
Thompson, Brad	StL	28	31	4	64	71	8	18	30	6	3	4	.429	0	13.4	4.64
Thornton, Matt	CWS	33	73	0	81	70	7	33	86	2	5	4	.556	4	11.7	3.33
Tillman, Chris	Bal	22	22	22	123	126	15	50	116	20	6	8	.429	0	14.3	4.90

2010 Pitcher Projections

PLAYER			HOW MUCH			WHAT HE WILL GIVE UP					THE RESULTS					
Pitcher	Team	Age	G	GS	IP	H	HR	BB	SO	HB	W	L	Pct	Sv	BR/9	ERA
Todd, Jesse	Cle	24	37	0	42	39	5	13	38	4	2	2	.500	0	12	3.86
Tomko, Brett	Oak	37	35	2	45	49	6	13	30	1	2	3	.400	0	12.6	4.40
Torres, Carlos	CWS	27	14	8	48	47	4	24	46	6	2	3	.400	0	14.4	4.50
Troncoso, Ramon	LAD	27	71	0	72	74	3	30	53	3	4	4	.500	0	13.4	3.88
Uehara, Koji	Bal	35	25	25	143	145	17	39	123	1	9	7	.688	2	9.6	4.22
Valdez, Merkin	SF	28	45	0	43	44	4	25	36	2	2	3	.400	0	14.9	5.02
Valverde, Jose	Hou	32	60	0	67	54	7	27	78	2	4	4	.500	38	11.1	3.22
VandenHurk, Rick	Fla	25	22	22	121	113	17	52	120	13	7	7	.500	0	13.2	4.39
Vargas, Claudio	Mil	32	58	0	66	69	10	24	49	3	3	4	.429	0	13.1	4.77
Vargas, Jason	Sea	27	23	8	74	82	11	28	56	4	3	5	.375	0	13.9	4.99
Vasquez, Esmerling	Ari	26	55	0	54	51	5	31	43	6	3	3	.500	0	14.7	4.67
Vasquez, Virgil	Pit	28	18	5	46	54	8	12	31	6	2	3	.400	0	14.1	5.48
Vazquez, Javier	Atl	33	31	31	215	205	26	52	204	7	15	9	.625	0	11.1	3.60
Veras, Jose	Cle	29	39	0	44	39	5	21	44	3	2	2	.500	0	12.9	4.09
Verlander, Justin	Det	27	35	35	235	219	22	76	215	13	15	11	.577	0	11.8	3.64
Villanueva, Carlos	Mil	26	60	10	110	106	16	39	95	3	6	6	.500	0	12.1	4.09
Villone, Ron	Was	40	71	0	54	51	5	29	44	3	3	3	.500	0	13.8	4.33
Volquez, Edinson	Cin	26	16	16	90	78	9	47	89	5	5	5	.500	0	13	4.00
Volstad, Chris	Fla	23	30	30	167	172	18	63	110	11	9	9	.500	0	13.3	4.37
Wagner, Billy	Bos	38	55	0	62	45	5	17	75	2	6	1	.857	0	9.3	2.18
Wainwright, Adam	StL	28	34	34	225	222	18	66	178	7	15	10	.600	0	11.8	3.64
Wakefield, Tim	Bos	43	16	16	96	93	12	33	62	6	6	5	.545	0	12.4	4.03
Walker, Tyler	Phi	34	44	0	48	45	6	17	40	1	3	2	.600	0	11.8	3.75
Wang, Chien-Ming	NYY	30	6	6	35	38	2	10	17	1	2	2	.500	0	12.6	3.86
Washburn, Jarrod	Det	35	25	25	152	156	19	45	86	6	8	8	.500	0	12.3	4.09
Weathers, David	Mil	40	72	0	70	66	8	30	48	3	4	4	.500	0	12.7	3.99
Weaver, Jeff	LAD	33	28	6	77	89	11	22	51	6	4	5	.444	0	13.7	5.03
Weaver, Jered	LAA	27	33	33	218	210	25	64	185	5	14	10	.583	0	11.5	3.67
Webb, Brandon	Ari	31	28	28	180	166	12	58	143	7	13	7	.650	0	11.6	3.40
Webb, Ryan	SD	24	50	0	46	54	6	17	34	5	2	3	.400	0	14.9	5.48
Wellemeier, Todd	StL	31	22	12	79	82	10	38	58	3	4	5	.444	0	14	4.78
Wells, Kip	Cin	33	30	14	106	111	12	49	77	7	5	7	.417	0	14.2	4.84
Wells, Randy	ChC	27	30	30	188	194	20	60	147	14	10	10	.500	0	12.8	4.16
Wheeler, Dan	TB	32	71	0	59	50	8	17	52	1	4	2	.667	0	10.4	3.05
White, Sean	Sea	29	43	0	56	65	4	22	29	6	2	4	.333	0	14.9	4.98
Williams, Randy	CWS	34	47	0	34	35	5	16	31	1	1	2	.333	0	13.8	5.03
Wilson, Brian	SF	28	68	0	75	63	4	35	78	3	4	4	.500	41	12.1	3.24
Wilson, C. J.	Tex	29	78	0	78	72	7	36	76	6	5	4	.556	0	13.2	3.92
Wolf, Randy	LAD	33	34	34	200	191	24	67	159	9	12	10	.545	0	12	3.87
Wood, Kerry	Cle	33	56	0	56	47	6	24	62	4	4	3	.571	27	12.1	3.54
Wright, Jamey	KC	35	68	0	83	89	8	40	50	6	3	6	.333	0	14.6	4.88
Wright, Wesley	Hou	25	53	0	52	49	7	33	56	2	2	4	.333	0	14.5	4.85
Wuertz, Mike	Oak	31	65	0	74	60	7	31	84	0	5	3	.625	5	11.1	3.04
Young, Chris	SD	31	18	18	101	84	12	41	87	3	6	5	.545	0	11.4	3.48
Zambrano, Carlos	ChC	29	29	29	180	155	15	80	151	9	12	8	.600	0	12.2	3.60
Ziegler, Brad	Oak	30	70	0	75	78	4	23	49	2	4	4	.500	5	12.4	3.60
Zito, Barry	SF	32	33	33	196	184	22	83	140	7	11	11	.500	0	12.6	3.95
Zumaya, Joel	Det	25	32	0	36	30	3	21	39	1	2	2	.500	0	13	3.75