

MLB AL2009

Obs	ID	Player	TEAM	POS	G	AB	R	H	AVG
1	1	A Hill*	TOR	2B	158	682	103	195	0.286
2	2	O Cabrera*	MIN	SS	160	656	83	186	0.284
3	3	N Markakis*	BAL	OF	161	642	94	188	0.293
4	4	I Suzuki*	SEA	OF	146	639	88	225	0.352
5	5	R Cano*	NYN	2B	161	637	103	204	0.32
6	6	D Jeter*	NYN	SS	153	634	107	212	0.334
7	7	B Roberts*	BAL	2B	159	632	110	179	0.283
8	8	C Granderson*	DET	OF	160	631	91	157	0.249
9	9	V Wells*	TOR	OF	158	630	84	164	0.26
10	10	D Pedroia*	BOS	2B	154	626	115	185	0.296
11	11	J Ellsbury*	BOS	OF	153	624	94	188	0.301
12	12	P Polanco*	DET	2B	153	618	82	176	0.285
13	13	C Figgins*	LAA	3B	158	615	114	183	0.298
14	14	J Lopez*	SEA	2B	153	613	69	167	0.272
15	15	M Cabrera*	DET	1B	160	611	96	198	0.324
16	16	M Teixeira*	NYN	1B	156	609	103	178	0.292
17	17	B Butler*	KC	1B	159	608	78	183	0.301
18	18	C Crawford*	TB	OF	156	606	96	185	0.305
19	19	M Cuddyer*	MIN	OF	153	588	93	162	0.276
20	20	V Martinez*	BOS	C	155	588	88	178	0.303
21	21	A Lind*	TOR	DH	151	587	93	179	0.305
22	22	E Longoria*	TB	3B	157	584	100	164	0.281
23	23	S Choo*	CLE	OF	156	583	87	175	0.3
24	24	J Peralta*	CLE	3B	151	582	57	148	0.254
25	25	A Rios*	CWS	OF	149	582	63	144	0.247
26	26	D Span*	MIN	OF	145	578	97	180	0.311
27	27	A Callaspo*	KC	2B	155	576	79	173	0.3
28	28	M Scutaro*	TOR	SS	144	574	100	162	0.282
29	29	K Suzuki*	OAK	C	147	570	74	156	0.274
30	30	I Kinsler*	TEX	2B	144	566	101	143	0.253
31	31	K Morales*	LAA	1B	152	566	86	173	0.306
32	32	F Gutierrez*	SEA	OF	153	565	85	160	0.283
33	33	B Abreu*	LAA	OF	152	563	96	165	0.293
34	34	B Inge*	DET	3B	161	562	71	129	0.23
35	35	B Upton*	TB	OF	144	560	79	135	0.241
36	36	D DeJesus*	KC	OF	144	558	74	157	0.281
37	37	J Damon*	NYN	OF	143	550	107	155	0.282
38	38	M Byrd*	TEX	OF	146	547	66	155	0.283
39	39	P Konerko*	CWS	1B	152	546	75	151	0.277
40	40	A Ramirez*	CWS	SS	148	542	71	150	0.277
41	41	D Ortiz*	BOS	DH	150	541	77	129	0.238
42	42	M Young*	TEX	3B	135	541	76	174	0.322

43	43	S Podsednik*	CWS	OF	132	537	75	163	0.304
44	44	A Huff*	DET	DH	150	536	59	129	0.241
45	45	J Bay*	BOS	OF	151	531	103	142	0.267
46	46	A Kennedy*	OAK	3B	129	529	65	153	0.289
47	47	J Rivera*	LAA	OF	138	529	72	152	0.287
48	48	M Teahen*	KC	3B	144	524	69	142	0.271
49	49	A Cabrera*	CLE	SS	131	523	81	161	0.308
50	50	J Mauer*	MIN	C	138	523	94	191	0.365
51	51	J Kubel*	MIN	DH	146	514	73	154	0.3
52	52	J Cust*	OAK	DH	149	513	88	123	0.24
53	53	J Morneau*	MIN	1B	135	508	85	139	0.274
54	54	E Aybar*	LAA	SS	137	504	70	157	0.312
55	55	A Pierzynski*	CWS	C	138	504	57	151	0.3
56	56	J Dye*	CWS	OF	141	503	78	126	0.25
57	57	B Zobrist*	TB	2B	152	501	91	149	0.297
58	58	J Bartlett*	TB	SS	137	500	90	160	0.32
59	59	N Swisher*	NYN	OF	150	498	84	124	0.249
60	60	K Youkilis*	BOS	1B	136	491	99	150	0.305
61	61	M Cabrera*	NYN	OF	154	485	66	133	0.274
62	62	R Sweeney*	OAK	OF	134	484	68	142	0.293
63	63	E Andrus*	TEX	SS	145	480	72	128	0.267
64	64	A Jones*	BAL	OF	119	473	83	131	0.277
65	65	C Pena*	TB	1B	135	471	91	107	0.227
66	66	Y Betancourt*	KC	SS	134	470	40	115	0.245
67	67	M Ordonez*	DET	OF	131	465	54	144	0.31
68	68	H Blalock*	TEX	1B	123	462	62	108	0.234
69	69	N Cruz*	TEX	OF	128	462	75	120	0.26
70	70	H Matsui*	NYN	DH	142	456	62	125	0.274
71	71	J Drew*	BOS	OF	137	452	84	126	0.279
72	72	T Hunter*	LAA	OF	119	451	74	135	0.299
73	73	M Mora*	BAL	3B	125	450	44	117	0.26
74	74	A Beltre*	SEA	3B	111	449	54	119	0.265
75	75	L Scott*	BAL	DH	128	449	61	116	0.258
76	76	M Lowell*	BOS	3B	119	445	54	129	0.29
77	77	A Rodriguez*	NYN	3B	124	444	78	127	0.286
78	78	G Sizemore*	CLE	OF	106	436	73	108	0.248
79	79	W Bloomquist*	KC	OF	125	434	52	115	0.265
80	80	M Jacobs*	KC	DH	128	434	46	99	0.228
81	81	D Murphy*	TEX	OF	128	432	61	116	0.269
82	82	R Brayan*	SEA	1B	116	431	64	108	0.251
83	83	R Barajas*	TOR	C	125	429	43	97	0.226
84	84	L Overbay*	TOR	1B	132	423	57	112	0.265
85	85	B Harris*	MIN	SS	123	414	44	108	0.261
86	86	G Laird*	DET	C	135	413	49	93	0.225
87									

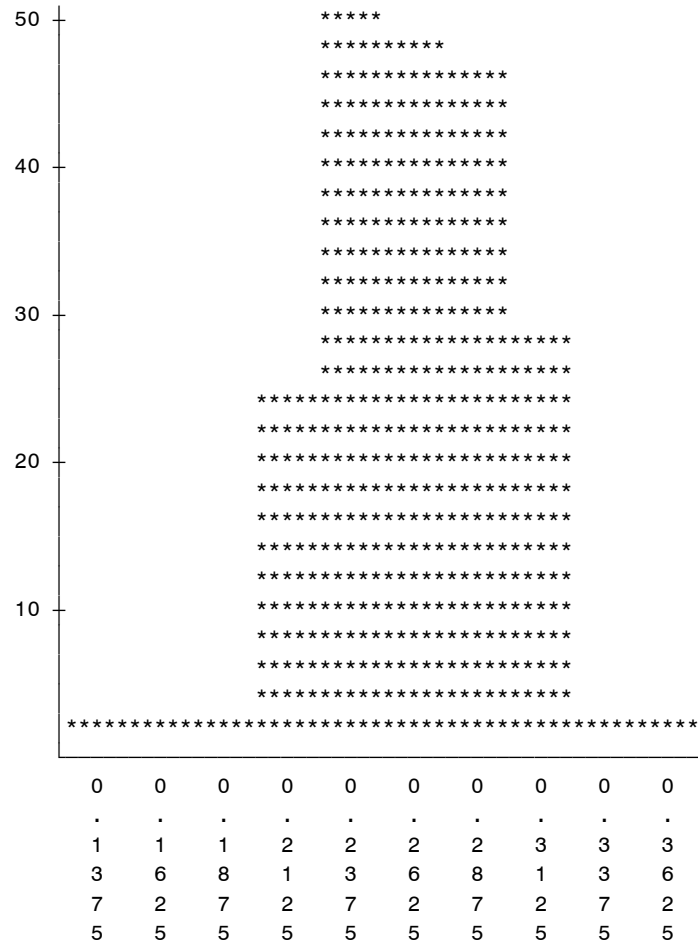
	87	P Burrell*	TB	DH	122	412	45	91	0.221
88	88	T Wigginton*	BAL	1B	122	410	44	112	0.273
89	89	D Young*	MIN	OF	108	395	50	112	0.284
90	90	C Davis*	TEX	1B	113	391	48	93	0.238
91	91	R Davis*	OAK	OF	125	390	65	119	0.305
92	92	M Olivo*	KC	C	114	390	51	97	0.249
93	93	K Griffey	SEA	DH	117	387	44	83	0.214
94	94	M Izturis*	LAA	2B	114	387	74	116	0.3
95	95	C Izturis*	BAL	SS	114	387	34	99	0.256
96	96	V Guerrero*	LAA	DH	100	383	59	113	0.295
97	97	J Posada*	NYN	C	111	383	55	109	0.285
98	98	M Napoli*	LAA	C	114	382	60	104	0.272
99	99	G Beckham*	CWS	3B	103	378	58	102	0.27
100	100	M Ellis*	OAK	2B	105	377	52	99	0.263
101	101	D Navarro*	TB	C	115	376	38	82	0.218
102	102	C Getz*	CWS	2B	107	375	49	98	0.261
103	103	H Kendrick*	LAA	2B	105	374	61	109	0.291
104	104	L Valbuena*	CLE	2B	103	368	52	92	0.25
105	105	J Varitek*	BOS	C	109	364	41	76	0.209
106	106	N Punto*	MIN	2B	125	359	56	82	0.228
107	107	N Reimold*	BAL	OF	104	358	49	100	0.279
108	108	M Wieters*	BAL	C	96	354	35	102	0.288
109	109	C Quentin*	CWS	OF	99	351	47	83	0.236
110	110	M Holliday*	OAK	OF	93	346	52	99	0.286
111	111	A Everett*	DET	SS	118	345	43	82	0.238
112	112	J Thome*	CWS	DH	107	345	55	86	0.249
113	113	M Maier*	KC	OF	127	341	42	83	0.243
114	114	T Hafner*	CLE	DH	94	338	46	92	0.272
115	115	S Rolen*	TOR	3B	88	338	52	108	0.32
116	116	J Bautista*	TOR	OF	113	336	54	79	0.235
117	117	J Hamilton*	TEX	OF	89	336	43	90	0.268
118	118	J Crede*	MIN	3B	90	333	42	75	0.225
119	119	G Matthews*	LAA	OF	103	316	44	79	0.25
120	120	J Carroll*	CLE	2B	93	315	53	87	0.276
121	121	C Gomez*	MIN	OF	137	315	51	72	0.229
122	122	B Francisco*	CLE	OF	89	308	48	77	0.25
123	123	W Aybar*	TB	1B	105	296	38	75	0.253
124	124	J Anderson*	KC	OF	118	283	42	68	0.24
125	125	J Saltalamacc	TEX	C	84	283	34	66	0.233
126	126	G Gross*	TB	OF	115	282	31	64	0.227
127	127	J Guillen*	KC	OF	81	281	30	68	0.242
128	128	A Jones*	TEX	DH	82	281	43	60	0.214
129	129	M DeRosa*	CLE	3B	71	278	47	75	0.27
130	130	C Guillen*	DET	OF	81	277	36	67	0.242
131									

	131	N Green*	BOS	SS	103	276	35	65	0.236
132	132	C Thomas*	DET	OF	102	275	46	66	0.24
133	133	K Shoppach*	CLE	C	89	271	33	58	0.214
134	134	J Giambi*	OAK	1B	83	269	39	52	0.193
135	135	J Hannahan*	SEA	3B	103	267	27	57	0.213
136	136	R Santiago*	DET	SS	93	262	29	70	0.267
137	137	G Zaun*	TB	C	90	262	34	68	0.26
138	138	R Raburn*	DET	OF	113	261	44	76	0.291
139	139	R Johnson*	SEA	C	80	258	21	55	0.213
140	140	M Thames*	DET	DH	87	258	33	65	0.252
141	141	J Nix*	CWS	2B	94	255	36	57	0.224
142	142	F Pie*	BAL	OF	101	252	38	67	0.266
143	143	K Millar*	TOR	1B	78	251	29	56	0.223
144	144	B Gardner*	NYN	OF	108	248	48	67	0.27
145	145	M Sweeney*	SEA	DH	74	242	25	68	0.281
146	146	T Snider*	TOR	OF	77	241	34	58	0.241
147	147	J Fields*	CWS	3B	79	239	29	53	0.222
148	148	R Garko*	CLE	1B	78	239	29	68	0.285
149	149	K Johjima*	SEA	C	71	239	24	59	0.247
150	150	B Crosby*	OAK	1B	97	238	35	53	0.223
151	151	J Mathis*	LAA	C	84	237	26	50	0.211
152	152	S Hairston*	OAK	OF	60	233	24	55	0.236
153	153	A Iwamura*	TB	2B	69	231	28	67	0.29
154	154	A Casilla*	MIN	2B	80	228	25	46	0.202
155	155	C Pennington*	OAK	SS	60	208	27	58	0.279
156	156	G Kapler*	TB	OF	99	205	26	49	0.239
157	157	B Anderson*	BOS	OF	86	202	32	49	0.243
158	158	R Andino*	BAL	SS	78	198	31	44	0.222
159	159	T Teagarden*	TEX	C	60	198	26	43	0.217
160	160	M Tolbert*	MIN	2B	71	198	28	46	0.232
161	161	M Kotsay*	CWS	1B	67	187	16	52	0.278
162	162	J Buck*	KC	C	59	186	16	46	0.247
163	163	R Cedeno*	SEA	SS	59	186	15	31	0.167
164	164	T Crowe*	CLE	OF	68	183	22	43	0.235
165	165	M LaPorta*	CLE	OF	52	181	29	46	0.254
166	166	C Crisp*	KC	OF	49	180	30	41	0.228
167	167	O Vizquel*	TEX	SS	62	177	17	47	0.266
168	168	B Pena*	KC	C	64	165	17	45	0.273
169	169	A Gordon*	KC	3B	49	164	28	38	0.232
170	170	E Chavez*	SEA	OF	54	161	17	44	0.273
171	171	D Barton*	OAK	1B	54	160	31	43	0.269
172	172	N Garciaparra	OAK	DH	65	160	17	45	0.281
173	173	R Chavez*	TOR	C	51	159	10	41	0.258
174	174	J Borbon*	TEX	DH	46	157	30	49	0.312
175									

	175	W Balentien*	SEA	OF	56	155	18	33	0.213
176	176	A Marte*	CLE	1B	47	155	20	36	0.232
177	177	E Encarnacion	TOR	3B	42	154	25	37	0.24
178	178	J McDonald*	TOR	SS	73	151	18	39	0.258
179	179	R Baldelli*	BOS	OF	62	150	23	38	0.253
180	180	A Gonzalez*	BOS	SS	44	148	26	42	0.284
181	181	D Wise*	CWS	OF	84	142	17	32	0.225
182	182	L Powell*	OAK	C	46	140	19	32	0.229
183	183	J Molina*	NYN	C	52	138	15	30	0.217
184	184	B Buscher*	MIN	3B	61	136	14	32	0.235
185	185	M Redmond*	MIN	C	45	135	9	32	0.237
186	186	J Wilson*	SEA	SS	45	128	16	32	0.25
187	187	M Saunders*	SEA	OF	46	122	13	27	0.221
188	188	M Aviles*	KC	SS	36	120	10	22	0.183
189	189	B Hall*	SEA	OF	34	120	10	24	0.2
190	190	J Morales*	MIN	C	54	119	14	37	0.311
191	191	R Pena*	NYN	SS	69	115	17	33	0.287
192	192	R Quinlan*	LAA	OF	54	115	13	28	0.243
193	193	R Ruiz*	TOR	DH	33	115	25	36	0.313
194	194	M Brantley*	CLE	OF	28	112	10	35	0.313
195	195	C Gimenez*	CLE	OF	45	111	12	16	0.144
196	196	J Lugo*	BOS	SS	37	109	16	31	0.284
197	197	J Wilson*	SEA	SS	31	107	11	24	0.224
198	198	T Buck*	OAK	OF	36	105	11	23	0.219
199	199	R Langerhans*	SEA	OF	38	101	12	22	0.218

MLB AL2009

Frequency



AVG Midpoint

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The UNIVARIATE Procedure
Variable: AVG

Moments			
N	199	Sum Weights	199
Mean	0.2619799	Sum Observations	52.134
Std Deviation	0.03408426	Variance	0.00116174
Skewness	-0.0965284	Kurtosis	0.24445271
Uncorrected SS	13.888084	Corrected SS	0.23002392
Coeff Variation	13.0102587	Std Error Mean	0.00241617

Basic Statistical Measures			
Location		Variability	
Mean	0.261980	Std Deviation	0.03408
Median	0.265000	Variance	0.00116
Mode	0.250000	Range	0.22100
		Interquartile Range	0.05000

Note: The mode displayed is the smallest of 2 modes with a count of 5.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	108.4278	Pr > t 	<.0001
Sign	M	99.5	Pr >= M 	<.0001
Signed Rank	S	9950	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.990281	Pr < W	0.1992
Kolmogorov-Smirnov	D	0.047869	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.093538	Pr > W-Sq	0.1393
Anderson-Darling	A-Sq	0.592867	Pr > A-Sq	0.1256

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.365
99%	0.352
95%	0.313
90%	0.305
75% Q3	0.286
50% Median	0.265
25% Q1	0.236
10%	0.221
5%	0.213

1%	0.167
0% Min	0.144

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.144	195	0.322	42
0.167	163	0.324	15
0.183	188	0.334	6
0.193	134	0.352	4
0.200	189	0.365	50

