New and Improved Power Ranking (NIPR)

Nipr={all cats}; Bopper={run,hr,rbi,tb}; Pitchin={w,sv,k,era,whip}

Team	NIPR	NIPR Rank	BOPPER	BOPPER Rank	PITCHIN	PITCHIN Rank
Bay City Brawlers	31	5	56	4	23	5
Bayside Tigers	-27	10	-66	12	20	6
CRYOGENIC TEDS	35	4	31	6	65	4
jax suns	-49	13	-66	11	-69	13
KGG 2013	15	6	-76	13	93	3
Killer Maltese	-38	11	-45	10	-46	9
Naperville Lunchbox	52	3	51	5	95	2
Plainfield Shutouts	-44	12	-43	9	-57	12
Plano Tiburon	76	2	62	3	103	1
RBI's all day	-120	14	-120	14	-131	14
The Flying Penguins	-18	8	-35	8	-48	10
The Hills Have RBIs	7	7	74	2	-50	11
The Lazy Robot	98	1	204	1	5	7
Vatican City Popes	-19	9	-27	7	-4	8

NIPR for Special Category Areas

NIPR-1={all cats except your worst}; PQUAL={era,whip}; PQUAN={win,sv,k}

Team	NIPR-1	NIPR-1 Rank	PQUAL	PQUAL Rank	PQUAN	PQUAN Rank
Bay City Brawlers	41	5	40	3	-33	9
Bayside Tigers	-13	10	151	2	-129	14
CRYOGENIC TEDS	50	4	30	6	65	5
jax suns	-41	13	-23	8	-117	13
KGG 2013	31	6	35	4	129	2
Killer Maltese	-31	11	-47	10	-19	8
Naperville Lunchbox	76	3	33	5	183	1
Plainfield Shutouts	-39	12	-55	11	-55	10
Plano Tiburon	87	2	192	1	79	4
RBI's all day	-107	14	-132	13	-81	11
The Flying Penguins	-6	8	-25	9	-115	12
The Hills Have RBIs	23	7	-135	14	11	6
The Lazy Robot	119	1	-2	7	-2	7
Vatican City Popes	-8	9	-61	12	84	3

NIPR Category Data

Category Z-score * 100. Average is 0. One stdev better than average is 100. And 1 stdev worse is -100.

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Run	Hr	Rbi	Sb	Ib	W	Sv	K	Era	Whip	NIPR
166	-64	6	-33	114	-41	102	-26	38	43	31
-99	29	-97	-100	-99	-148	56	-110	119	183	-27
44	6	42	-95	31	74	137	57	36	24	35
15	-68	-115	119	-94	-110	-65	-124	28	-75	-49
-26	-59	-89	-9	-130	158	137	100	67	2	15
-9	-73	-94	29	-3	-18	-100	-20	-46	-48	-38
-58	149	90	-157	24	143	44	223	66	1	52
-54	-54	-44	15	-20	-18	-65	-92	-66	-44	-44
48	10	87	-4	104	66	-25	92	220	163	76
-242	-96	-31	-71	-109	-79	-226	-82	-84	-181	-120
-5	-82	-73	205	22	-125	39	-104	-37	-13	-18
31	112	100	19	54	20	-2	1	-139	-132	7
138	236	234	138	208	-41	33	38	-89	85	98
52	-45	-15	-57	-101	120	-65	48	-112	-9	-19
	-99 44 15 -26 -9 -58 -54 48 -242 -5 31 138	166 -64 -99 29 44 6 15 -68 -26 -59 -9 -73 -58 149 -54 -54 48 10 -242 -96 -5 -82 31 112 138 236	166 -64 6 -99 29 -97 44 6 42 15 -68 -115 -26 -59 -89 -9 -73 -94 -58 149 90 -54 -54 -44 48 10 87 -242 -96 -31 -5 -82 -73 31 112 100 138 236 234	166 -64 6 -33 -99 29 -97 -100 44 6 42 -95 15 -68 -115 119 -26 -59 -89 -9 -9 -73 -94 29 -58 149 90 -157 -54 -54 -44 15 48 10 87 -4 -242 -96 -31 -71 -5 -82 -73 205 31 112 100 19 138 236 234 138	166 -64 6 -33 114 -99 29 -97 -100 -99 44 6 42 -95 31 15 -68 -115 119 -94 -26 -59 -89 -9 -130 -9 -73 -94 29 -3 -58 149 90 -157 24 -54 -54 -44 15 -20 48 10 87 -4 104 -242 -96 -31 -71 -109 -5 -82 -73 205 22 31 112 100 19 54 138 236 234 138 208	166 -64 6 -33 114 -41 -99 29 -97 -100 -99 -148 44 6 42 -95 31 74 15 -68 -115 119 -94 -110 -26 -59 -89 -9 -130 158 -9 -73 -94 29 -3 -18 -58 149 90 -157 24 143 -54 -54 -44 15 -20 -18 48 10 87 -4 104 66 -242 -96 -31 -71 -109 -79 -5 -82 -73 205 22 -125 31 112 100 19 54 20 138 236 234 138 208 -41	166 -64 6 -33 114 -41 102 -99 29 -97 -100 -99 -148 56 44 6 42 -95 31 74 137 15 -68 -115 119 -94 -110 -65 -26 -59 -89 -9 -130 158 137 -9 -73 -94 29 -3 -18 -100 -58 149 90 -157 24 143 44 -54 -54 -44 15 -20 -18 -65 48 10 87 -4 104 66 -25 -242 -96 -31 -71 -109 -79 -226 -5 -82 -73 205 22 -125 39 31 112 100 19 54 20 -2 138 236 234 138 208 -41 33	166 -64 6 -33 114 -41 102 -26 -99 29 -97 -100 -99 -148 56 -110 44 6 42 -95 31 74 137 57 15 -68 -115 119 -94 -110 -65 -124 -26 -59 -89 -9 -130 158 137 100 -9 -73 -94 29 -3 -18 -100 -20 -58 149 90 -157 24 143 44 223 -54 -54 -44 15 -20 -18 -65 -92 48 10 87 -4 104 66 -25 92 -242 -96 -31 -71 -109 -79 -226 -82 -5 -82 -73 205 22 -125 39 -104 31 112 100 19 54 20 -2 1	166 -64 6 -33 114 -41 102 -26 38 -99 29 -97 -100 -99 -148 56 -110 119 44 6 42 -95 31 74 137 57 36 15 -68 -115 119 -94 -110 -65 -124 28 -26 -59 -89 -9 -130 158 137 100 67 -9 -73 -94 29 -3 -18 -100 -20 -46 -58 149 90 -157 24 143 44 223 66 -54 -54 -44 15 -20 -18 -65 -92 -66 48 10 87 -4 104 66 -25 92 220 -242 -96 -31 -71 -109 -79 -226 -82 -84 -5 -82 -73 205 22 -125 39 -10	166 -64 6 -33 114 -41 102 -26 38 43 -99 29 -97 -100 -99 -148 56 -110 119 183 44 6 42 -95 31 74 137 57 36 24 15 -68 -115 119 -94 -110 -65 -124 28 -75 -26 -59 -89 -9 -130 158 137 100 67 2 -9 -73 -94 29 -3 -18 -100 -20 -46 -48 -58 149 90 -157 24 143 44 223 66 1 -54 -54 -44 15 -20 -18 -65 -92 -66 -44 48 10 87 -4 104 66 -25 92 220 163 -242 -96 -31 -71 -109 -79 -226 -82 -84

NIPR Explanation

May 2013

The goal of the NIPR is to give a statistical measure of a team's performance, independent of head-to-head weekly competition. The NIPR measures a team's statistical performance in each category (cat) over the whole season.

For each cat, the NIPR is a team's Z-score for that cat times 100. I multiply by 100, so that the NIPR is a whole number. The Z-score is the number of standard deviations either better or worse than average for a cat. An average performance gives a NIPR of 0, no better or worse than average.

Example: Assume the league average is 9 homers per week and the stdev is 1.

If Team Z averages 9 homers per week, their NIPR is 0.

If team X averages 10 homers per week, then their NIPR for homers is 100.

If Team Y averages 11 homers per week, their NIPR is 200.

If Team DOP averages 8 homers per week, their NIPR is -100.

Other NIPR scores are simply the averages over multiple categories:

NIPR = average(all cats)

NIPR-1 = average(all cats except team's worst)

BOPPER = average(run,hr,rbi,tb)

PQUAN=average(win,k)

PQUAL=average(era,whip)