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	-20	10		-20	9		-24	9
Bayside Tigers	-62	12		-3	8		-105	13
CRYOGENIC TEDS	58	2		85	3		64	4
jax suns	42	4		55	4		17	6
KGG 2013	37	5		-59	11		131	1
Killer Maltese	-24	11		-89	13		14	7
Naperville Lunchbox	46	3		42	5		90	2
Plainfield Shutouts	-63	13		-184	14		20	5
Plano Tiburon	59	1		40	6		70	3
RBI's all day	-88	14		-64	12		-112	14
The Flying Penguins	17	6		22	7		-31	10
The Hills Have RBIs	12	7		115	1		-51	11
The Lazy Robot	-7	9		88	2		-93	12
Vatican City Popes	-6	8		-28	10		11	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	-13	10	34	5	-74	12
Bayside Tigers	-48	13	-163	14	-124	14
CRYOGENIC TEDS	74	1	12	8	67	3
jax suns	50	5	21	7	35	5
KGG 2013	53	4	68	2	193	1
Killer Maltese	-13	11	-8	10	48	4
Naperville Lunchbox	68	3	35	4	159	2
Plainfield Shutouts	-45	12	36	3	-9	6
Plano Tiburon	72	2	217	1	-58	10
RBI's all day	-72	14	-136	13	-31	9
The Flying Penguins	29	6	-7	9	-64	11
The Hills Have RBIs	28	7	-38	11	-26	8
The Lazy Robot	7	8	-94	12	-102	13
Vatican City Popes	1	9	24	6	-13	7

NIPR Category Data

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

Team	Run	Hr	Rbi	Sb	Tb	W	Sv	K	Era	Whip	NIPR
Bay City Brawlers	-65	-54	30	-3	9	-58	-40	-90	19	49	-20
Bayside Tigers	2	71	-59	-85	-25	-140	47	-107	-191	-135	-62
CRYOGENIC TEDS	162	42	13	-85	124	64	162	70	9	14	58
jax suns	187	32	-31	115	31	-18	-26	87	50	-8	42
KGG 2013	-40	-64	-20	-50	-113	268	133	117	120	16	37
Killer Maltese	-65	-93	-126	45	-74	64	-11	32	31	-48	-24
Naperville Lunchbox	-124	128	130	-156	31	85	61	233	54	16	46
Plainfield Shutouts	-115	-189	-215	9	-216	23	47	-42	33	40	-63
Plano Tiburon	36	-16	35	80	105	-58	32	-59	186	248	59
RBI's all day	-107	-64	-15	-61	-69	-18	-229	-44	-98	-174	-88
The Flying Penguins	120	-25	-54	233	49	-38	-11	-90	36	-50	17
The Hills Have RBIs	44	196	102	-85	120	-18	-127	-35	-88	12	12
The Lazy Robot	-6	90	169	45	98	-99	-69	-105	-130	-59	-7
Vatican City Popes	-31	-54	41	-3	-69	-58	32	32	-32	80	-6

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)