

## 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	-50	10	30	4	-99	11
CRYOGENIC TEDS	69	2	95	3	66	2
KGG 2015	92	1	130	2	63	3
Killer Maltese	16	6	-45	10	74	1
Naperville Weeners	61	3	142	1	24	6
Plainfield Shutouts	-97	12	-119	11	-103	12
Plano Tiburon	-85	11	-151	12	-23	9
Prague Y!	27	5	-29	8	31	5
RBI's all day	-15	8	-30	9	-3	7
The Giant Squid	33	4	19	5	41	4
Vatican City Popes	-9	7	-24	7	-11	8
Winterfell Beardsmen	-43	9	-19	6	-61	10

## 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	-37	9	-136	12	-30	10
CRYOGENIC TEDS	79	2	68	2	84	2
KGG 2015	102	1	10	5	109	1
Killer Maltese	30	6	61	3	53	5
Naperville Weeners	76	3	-53	9	82	3
Plainfield Shutouts	-87	12	-41	7	-158	11
Plano Tiburon	-75	11	-53	10	2	7
Prague Y!	53	4	239	1	-205	12
RBI's all day	-3	8	54	4	1	8
The Giant Squid	40	5	-17	6	80	4
Vatican City Popes	1	7	-51	8	7	6
Winterfell Beardsmen	-38	10	-82	11	-25	9

## 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	-59	122	45	-124	12	-48	-165	-12	-164	-108	-50
CRYOGENIC TEDS	78	94	135	-21	74	87	27	82	69	67	69
KGG 2015	122	101	153	90	142	104	77	114	18	2	92
Killer Maltese	-81	-30	36	-30	-104	70	144	35	95	27	16
Naperville Weeners	207	129	90	-81	143	70	61	94	-47	-59	61
Plainfield Shutouts	-73	-161	-73	21	-166	-132	-115	-184	-15	-67	-97
Plano Tiburon	-158	-147	-173	-124	-127	-14	-15	17	-25	-81	-85
Prague Y!	-11	39	-91	227	-53	-199	86	-210	213	265	27
RBI's all day	4	-71	-82	-21	31	-31	-123	33	59	49	-15
The Giant Squid	26	5	-19	56	64	138	77	22	-23	-11	33
Vatican City Popes	15	-64	-64	64	16	3	36	11	-93	-10	-9
Winterfell Beardsmen	-70	-16	45	-56	-33	-48	-90	-3	-89	-75	-43

## **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)