

## 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	-53	10	8	6	-85	11
CRYOGENIC TEDS	63	2	82	3	67	1
KGG 2015	81	1	109	2	61	2
Killer Maltese	20	6	-2	7	44	4
Naperville Weeners	54	3	132	1	19	6
Plainfield Shutouts	-104	12	-132	11	-108	12
Plano Tiburon	-97	11	-176	12	-27	9
Prague Y!	49	5	12	5	40	5
RBI's all day	-14	8	-24	9	-4	8
The Giant Squid	49	4	40	4	58	3
Vatican City Popes	-4	7	-23	8	1	7
Winterfell Beardsmen	-44	9	-26	10	-65	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	-40	10	-111	12	-21	9
CRYOGENIC TEDS	74	3	79	2	70	4
KGG 2015	89	1	18	4	98	2
Killer Maltese	29	6	-2	6	35	5
Naperville Weeners	69	4	-67	10	85	3
Plainfield Shutouts	-95	12	-46	8	-169	11
Plano Tiburon	-86	11	-54	9	1	7
Prague Y!	78	2	258	1	-192	12
RBI's all day	-4	8	46	3	-4	8
The Giant Squid	55	5	4	5	100	1
Vatican City Popes	5	7	-45	7	29	6
Winterfell Beardsmen	-38	9	-79	11	-32	10

## 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	-93	120	6	-130	-1	-41	-164	-1	-140	-81	-53
CRYOGENIC TEDS	80	65	115	-28	68	70	37	70	80	77	63
KGG 2015	90	77	131	67	138	86	75	111	26	10	81
Killer Maltese	-34	-4	85	-12	-54	38	157	31	14	-18	20
Naperville Weeners	183	120	102	-83	123	86	60	84	-67	-68	54
Plainfield Shutouts	-83	-171	-98	28	-175	-152	-112	-185	-19	-73	-104
Plano Tiburon	-186	-165	-194	-130	-161	-9	-30	11	-21	-87	-97
Prague Y!	45	77	-52	241	-23	-168	67	-216	247	268	49
RBI's all day	11	-66	-81	-28	40	-57	-105	49	49	43	-14
The Giant Squid	42	27	2	43	88	166	82	34	-1	9	49
Vatican City Popes	24	-53	-60	43	-1	38	37	19	-84	-6	-4
Winterfell Beardsmen	-79	-28	44	-12	-41	-57	-105	-7	-84	-75	-44

## **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)