

## 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	-28	9	-80	10	18	5
CRYOGENIC TEDS	30	5	77	2	17	6
KGG 2015	40	4	-64	9	100	1
Killer Maltese	5	7	34	6	1	7
Naperville Weeners	-50	10	-80	11	-33	10
Plainfield Shutouts	-123	12	-146	12	-128	12
Plano Tiburon	61	1	78	1	71	2
Prague Y!	45	3	71	3	-8	8
RBI's all day	-53	11	7	7	-101	11
The Giant Squid	58	2	60	4	53	3
Vatican City Popes	12	6	46	5	-19	9
Winterfell Beardsmen	4	8	-3	8	31	4

## 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	-14	9	19	7	75	3
CRYOGENIC TEDS	44	5	71	3	-7	6
KGG 2015	69	3	29	6	108	2
Killer Maltese	16	8	37	5	-38	8
Naperville Weeners	-40	10	-93	10	-20	7
Plainfield Shutouts	-113	12	-141	12	-157	12
Plano Tiburon	74	1	-24	8	169	1
Prague Y!	67	4	143	1	-86	11
RBI's all day	-41	11	-132	11	-72	10
The Giant Squid	73	2	47	4	52	4
Vatican City Popes	27	6	-74	9	22	5
Winterfell Beardsmen	18	7	119	2	-47	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	-50	4	-118	-53	-156	97	-99	54	21	16	-28
CRYOGENIC TEDS	45	92	72	-96	100	24	-45	-38	82	60	30
KGG 2015	-19	-216	-32	160	10	24	225	191	-12	69	40
Killer Maltese	45	92	3	-96	-5	-49	9	-27	35	38	5
Naperville Weeners	-82	-84	-135	-11	-20	-49	63	8	-92	-93	-50
Plainfield Shutouts	-146	-84	-152	-11	-201	-195	-45	-118	-67	-216	-123
Plano Tiburon	13	92	106	-53	100	170	63	168	1	-49	61
Prague Y!	140	92	-32	203	85	-122	-153	-50	178	108	45
RBI's all day	172	-84	20	-53	-80	-49	-99	-96	-162	-102	-53
The Giant Squid	-82	92	175	75	55	97	63	8	13	82	58
Vatican City Popes	77	4	20	32	85	24	9	19	-122	-27	12
Winterfell Beardsmen	-114	4	72	-96	25	24	9	-118	125	113	4

## **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)