

## 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	-38	9	86	3	-122	12
CRYOGENIC TEDS	45	4	96	2	27	5
KGG 2015	87	1	153	1	20	6
Killer Maltese	38	5	-48	8	107	1
Naperville Weeners	51	2	52	4	67	2
Plainfield Shutouts	-50	10	-30	7	-78	10
Plano Tiburon	-30	8	-55	9	11	7
Prague Y!	-52	11	-133	12	-35	9
RBI's all day	-74	12	-64	10	-100	11
The Giant Squid	45	3	26	5	62	3
Vatican City Popes	-24	7	-99	11	33	4
Winterfell Beardsmen	1	6	14	6	7	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	-19	9	-169	12	-53	9
CRYOGENIC TEDS	58	3	60	3	13	7
KGG 2015	112	1	-118	11	115	1
Killer Maltese	54	4	145	1	53	5
Naperville Weeners	60	2	19	7	94	2
Plainfield Shutouts	-41	11	-46	9	-121	11
Plano Tiburon	-19	8	36	5	4	8
Prague Y!	-33	10	91	2	-194	12
RBI's all day	-66	12	-96	10	-79	10
The Giant Squid	51	5	59	4	58	4
Vatican City Popes	-8	7	-13	8	87	3
Winterfell Beardsmen	10	6	32	6	22	6

## 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	14	134	93	-121	105	-73	-165	-32	-213	-125	-38
CRYOGENIC TEDS	43	202	57	-72	83	-26	-13	52	72	49	45
KGG 2015	200	80	144	162	187	116	109	113	-100	-137	87
Killer Maltese	-79	-15	6	39	-103	45	139	61	164	126	38
Naperville Weeners	186	-1	6	-35	19	69	109	119	-10	47	51
Plainfield Shutouts	-57	-69	52	14	-45	-120	-58	-122	38	-130	-50
Plano Tiburon	-100	-82	-20	-133	-18	-49	-28	58	80	-8	-30
Prague Y!	-43	-96	-213	186	-179	-167	33	-221	72	109	-52
RBI's all day	-64	-123	1	14	-69	-73	-150	-84	-91	-100	-74
The Giant Squid	7	40	16	39	40	116	79	-0	-1	119	45
Vatican City Popes	-86	-82	-167	-10	-60	140	18	35	-30	4	-24
Winterfell Beardsmen	-21	12	26	-84	40	22	-74	23	18	47	1

## **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)