

## 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	-51	10	-96	10	8	6
CRYOGENIC TEDS	-5	7	-8	8	5	7
KGG 2015	77	2	120	2	54	2
Killer Maltese	23	5	39	5	25	3
Naperville Weeners	77	1	127	1	74	1
Plainfield Shutouts	-82	12	-142	12	-59	11
Plano Tiburon	-80	11	-127	11	-42	10
Prague Y!	31	3	12	6	15	5
RBI's all day	-10	8	-36	9	16	4
The Giant Squid	22	6	43	4	-0	8
Vatican City Popes	23	4	63	3	-26	9
Winterfell Beardsmen	-26	9	4	7	-70	12

## 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	-35	10	47	4	23	7
CRYOGENIC TEDS	2	7	-39	7	39	5
KGG 2015	84	2	26	5	73	2
Killer Maltese	33	6	-50	8	43	4
Naperville Weeners	98	1	3	6	135	1
Plainfield Shutouts	-67	11	79	2	-169	11
Plano Tiburon	-73	12	-61	10	-27	10
Prague Y!	58	3	212	1	-195	12
RBI's all day	-2	8	58	3	-4	8
The Giant Squid	39	5	-80	11	37	6
Vatican City Popes	44	4	-143	12	65	3
Winterfell Beardsmen	-7	9	-54	9	-20	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	-193	12	-71	-164	-133	45	-101	2	24	71	-51
CRYOGENIC TEDS	-7	-13	-10	-41	-0	53	25	26	-68	-10	-5
KGG 2015	80	76	208	18	118	45	73	101	36	16	77
Killer Maltese	-3	94	83	-56	-20	53	140	33	-29	-72	23
Naperville Weeners	162	137	107	-110	103	147	97	123	-19	25	77
Plainfield Shutouts	-42	-212	-137	47	-178	-168	-115	-171	136	23	-82
Plano Tiburon	-112	-134	-139	-85	-122	-32	-33	-22	18	-139	-80
Prague Y!	7	69	-5	190	-24	-176	39	-214	192	232	31
RBI's all day	-28	-77	-69	-31	28	-83	-29	74	44	73	-10
The Giant Squid	20	55	28	52	71	45	82	30	-125	-35	22
Vatican City Popes	152	-9	-1	111	110	96	25	33	-166	-120	23
Winterfell Beardsmen	-36	1	6	67	46	-23	-202	-16	-43	-64	-26

## **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)