

## 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	-43	10	-101	14	7	10
Boston Poindexters	-98	14	20	6	-190	14
CRYOGENIC TEDS	37	6	59	4	40	5
KGG Baseball 2016	8	7	-74	11	60	2
Killer Maltese	-12	9	-37	8	20	9
Luis's Legit Team	-68	13	-58	9	-76	13
Naperville Flowers	97	1	212	1	33	7
Notorious BE AR D	49	4	75	3	43	3
People of Plainfield	-57	12	-85	12	-56	11
Plano Tiburon	40	5	-3	7	72	1
RBI's all day	-10	8	-93	13	40	4
The Savannah Bannana	56	2	114	2	39	6
Thomas's Okay Team	-55	11	-70	10	-58	12
Vatican City Popes	56	3	41	5	25	8

**Week 13**

## 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	-34	10	82	2	-43	10
Boston Poindexters	-75	14	-304	14	-114	12
CRYOGENIC TEDS	50	5	14	10	57	5
KGG Baseball 2016	20	7	30	6	80	2
Killer Maltese	-4	9	-37	12	59	4
Luis's Legit Team	-58	13	-8	11	-121	13
Naperville Flowers	113	1	21	8	40	7
Notorious BE AR D	57	4	64	3	29	9
People of Plainfield	-49	12	47	4	-124	14
Plano Tiburon	46	6	92	1	59	3
RBI's all day	3	8	38	5	41	6
The Savannah Bannana	72	2	-81	13	119	1
Thomas's Okay Team	-46	11	23	7	-113	11
Vatican City Popes	68	3	17	9	30	8

## 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	-108	-85	-122	-62	-89	-18	-68	-42	47	118	-43
Boston Poindexters	-3	77	-7	-109	12	-202	22	-162	-305	-304	-98
CRYOGENIC TEDS	76	34	111	-62	16	137	-74	108	18	10	37
KGG Baseball 2016	-85	-104	-72	70	-35	-28	173	94	48	13	8
Killer Maltese	-53	20	-33	-72	-83	1	119	57	-30	-45	-12
Luis's Legit Team	-146	-13	-9	-67	-65	-76	-159	-128	-45	28	-68
Naperville Flowers	185	239	224	-41	200	108	-44	57	51	-9	97
Notorious BE AR D	21	44	133	-30	104	11	28	47	74	54	49
People of Plainfield	-85	-70	-79	44	-106	-135	-116	-122	47	48	-57
Plano Tiburon	12	-18	-18	49	12	69	89	20	101	82	40
RBI's all day	-29	-113	-122	75	-109	50	34	38	43	34	-10
The Savannah Bannana	158	129	63	-88	104	147	77	134	-81	-80	56
Thomas's Okay Team	-47	-89	-52	17	-91	-67	-129	-143	12	34	-55
Vatican City Popes	105	-51	-18	275	128	1	47	41	19	15	56

## **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)