

## 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	-76	13	-117	14	-62	12
Boston Poindexters	-44	11	42	5	-89	14
CRYOGENIC TEDS	-17	10	-25	8	-9	8
KGG Baseball 2016	-2	8	-44	10	25	5
Killer Maltese	6	6	-23	7	49	4
Luis's Legit Team	-78	14	-111	13	-45	11
Naperville Flowers	124	1	184	1	102	1
Notorious BE AR D	56	3	123	2	15	7
Plainfield Shutouts	-13	9	-8	6	-37	9
Plano Tiburon	2	7	-87	12	81	2
RBI's all day	7	5	-87	11	62	3
The Savannah Bannana	10	4	96	4	-42	10
Thomas's Okay Team	-45	12	-43	9	-63	13
Vatican City Popes	71	2	101	3	15	6

**Week 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	-66	14	-70	11	-61	10
Boston Poindexters	-31	12	-140	13	-96	11
CRYOGENIC TEDS	-3	10	-84	12	132	1
KGG Baseball 2016	7	8	-35	10	37	7
Killer Maltese	17	6	-4	9	84	3
Luis's Legit Team	-66	13	43	5	-113	13
Naperville Flowers	143	1	171	1	108	2
Notorious BE AR D	67	3	-3	8	-11	8
Plainfield Shutouts	-0	9	41	6	-101	12
Plano Tiburon	14	7	112	2	49	5
RBI's all day	21	5	82	3	41	6
The Savannah Bannana	34	4	-177	14	68	4
Thomas's Okay Team	-28	11	62	4	-120	14
Vatican City Popes	81	2	3	7	-17	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	-68	-119	-163	15	-116	-129	-48	7	-94	-47	-76
Boston Poindexters	-5	72	64	-164	36	-129	27	-63	-141	-139	-44
CRYOGENIC TEDS	3	-34	-8	-21	-59	167	-142	98	-112	-56	-17
KGG Baseball 2016	-40	-77	-55	33	-5	-40	121	114	-21	-49	-2
Killer Maltese	-75	30	-8	-93	-40	19	83	149	-13	5	6
Luis's Legit Team	-174	-77	-70	-111	-122	-40	-86	-187	22	63	-78
Naperville Flowers	214	199	157	-3	164	137	-48	79	205	138	124
Notorious BE AR D	59	104	203	-3	125	-40	102	17	-4	-2	56
Plainfield Shutouts	10	-2	-14	87	-25	-129	-67	-74	12	70	-13
Plano Tiburon	-96	-108	-76	-39	-68	78	83	20	92	131	2
RBI's all day	-61	-119	-60	105	-107	108	64	-26	53	111	7
The Savannah Bannana	101	93	85	-75	103	78	8	58	-141	-213	10
Thomas's Okay Team	10	-55	-86	33	-40	-70	-198	-171	116	7	-45
Vatican City Popes	123	93	33	231	155	-11	102	-23	26	-20	71

## **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)