

## 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	-73	14	-58	13	-94	13
Boston Poindexters	-19	9	98	2	-104	14
CRYOGENIC TEDS	-24	10	-14	5	-34	9
KGG Baseball 2018	32	3	-19	6	84	3
Killer Maltese	2	7	-97	14	106	1
Naperville Meerkats	82	1	223	1	17	5
Notorious BE AR D	21	4	67	3	2	8
Plano Tiburon	15	5	-57	12	99	2
PTBNL	-41	13	-33	9	-76	12
RBI's all day	5	6	-24	7	12	6
San Antonio Kindness	68	2	41	4	68	4
Southern Rockets	-37	12	-55	11	-47	11
Thomas's Okay Team	-2	8	-30	8	3	7
Vatican City Popes	-30	11	-41	10	-35	10

**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	-65	14	-53	9	-122	13
Boston Poindexters	1	9	-6	8	-170	14
CRYOGENIC TEDS	-13	10	-105	12	14	8
KGG Baseball 2018	45	3	136	1	49	6
Killer Maltese	28	6	93	3	115	1
Naperville Meerkats	109	1	17	7	18	7
Notorious BE AR D	38	4	-109	13	76	3
Plano Tiburon	29	5	128	2	79	2
PTBNL	-24	13	-123	14	-44	11
RBI's all day	13	7	70	5	-27	10
San Antonio Kindness	81	2	78	4	61	4
Southern Rockets	-19	11	43	6	-107	12
Thomas's Okay Team	9	8	-79	10	57	5
Vatican City Popes	-22	12	-91	11	2	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	30	-83	-126	-32	-54	-114	-104	-147	42	-148	-73
Boston Poindexters	169	90	35	-59	96	-152	-200	-157	3	-14	-19
CRYOGENIC TEDS	-113	45	71	-18	-61	40	-15	17	-87	-124	-24
KGG Baseball 2018	-25	-90	-23	-25	64	28	81	40	157	114	32
Killer Maltese	-229	20	-82	-119	-96	169	73	103	76	111	2
Naperville Meerkats	104	251	276	-160	262	-62	57	58	-12	46	82
Notorious BE AR D	7	97	56	-65	108	-11	193	44	-89	-128	21
Plano Tiburon	-58	-51	-49	-113	-72	130	25	83	143	112	15
PTBNL	-7	-19	-54	103	-52	15	-136	-12	-195	-50	-41
RBI's all day	-49	0	12	90	-60	-24	1	-59	60	81	5
San Antonio Kindness	86	13	51	177	13	117	-48	112	62	94	68
Southern Rockets	25	-128	-100	90	-17	-152	25	-192	16	69	-37
Thomas's Okay Team	95	-102	-57	90	-55	53	65	52	-70	-88	-2
Vatican City Popes	-35	-45	-11	42	-75	-37	-15	58	-106	-77	-30

## **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)