

## 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	-121	14	-105	14	-148	14
Boston Poindexters	-27	11	91	2	-117	13
CRYOGENIC TEDS	-9	8	26	5	-34	11
KGG Baseball 2018	34	3	-10	7	78	3
Killer Maltese	-14	10	-87	13	65	4
Naperville Meerkats	95	1	231	1	38	5
Notorious BE AR D	6	7	32	4	-0	8
Plano Tiburon	10	6	-76	12	101	1
PTBNL	-28	12	-51	10	-34	10
RBI's all day	-9	9	-32	9	-11	9
San Antonio Kindness	75	2	35	3	83	2
Southern Rockets	17	5	21	6	3	7
Thomas's Okay Team	22	4	-12	8	35	6
Vatican City Popes	-51	13	-63	11	-59	12

**Week 16**

## 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	-111	14	-163	14	-138	13
Boston Poindexters	-6	11	-17	7	-184	14
CRYOGENIC TEDS	3	9	-87	12	1	8
KGG Baseball 2018	48	3	126	2	47	6
Killer Maltese	9	8	33	5	87	1
Naperville Meerkats	124	1	25	6	47	7
Notorious BE AR D	16	7	-77	11	51	5
Plano Tiburon	22	6	146	1	71	2
PTBNL	-16	12	-57	10	-18	10
RBI's all day	-3	10	-25	9	-2	9
San Antonio Kindness	92	2	108	4	66	4
Southern Rockets	38	4	116	3	-73	12
Thomas's Okay Team	35	5	-17	8	70	3
Vatican City Popes	-43	13	-112	13	-23	11

## 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	-38	-119	-140	-46	-125	-159	-85	-169	-120	-205	-121
Boston Poindexters	146	87	39	-46	92	-180	-211	-160	-15	-18	-27
CRYOGENIC TEDS	-53	87	92	-24	-20	54	-41	-8	-56	-117	-9
KGG Baseball 2018	13	-100	-4	-19	52	-21	110	51	147	105	34
Killer Maltese	-222	-7	-59	-120	-60	96	66	98	8	59	-14
Naperville Meerkats	142	250	277	-158	253	-21	78	82	17	34	95
Notorious BE AR D	-30	87	23	-67	49	-31	154	30	-87	-68	6
Plano Tiburon	-100	-58	-53	-99	-92	96	47	69	179	113	10
PTBNL	-34	-30	-65	88	-75	65	-136	18	-114	-1	-28
RBI's all day	-50	-25	10	94	-65	22	22	-51	-38	-12	-9
San Antonio Kindness	64	17	51	201	7	160	-73	110	99	116	75
Southern Rockets	76	-11	-59	72	77	-63	15	-173	108	125	17
Thomas's Okay Team	99	-95	-51	88	-0	75	59	74	-7	-27	22
Vatican City Popes	-14	-81	-63	35	-92	-95	-4	29	-121	-104	-51

## **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)