

## 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	-56	13	-49	11	-63	10
Boston Poindexters	-11	9	126	2	-115	14
CRYOGENIC TEDS	-21	10	-9	6	-37	9
KGG Baseball 2018	33	4	11	4	60	4
Killer Maltese	26	6	-71	13	128	1
Naperville Meerkats	88	1	202	1	50	5
Notorious BE AR D	26	5	58	3	20	6
Plano Tiburon	36	3	-23	8	114	2
PTBNL	-48	12	-60	12	-66	11
RBI's all day	-2	8	-2	5	-20	8
San Antonio Kindness	41	2	-28	9	67	3
Southern Rockets	-77	14	-109	14	-83	13
Thomas's Okay Team	4	7	-34	10	17	7
Vatican City Popes	-39	11	-10	7	-73	12

**Week 10**

## 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	-48	13	-9	6	-99	12
Boston Poindexters	10	8	-20	8	-178	14
CRYOGENIC TEDS	-12	10	-84	12	-6	9
KGG Baseball 2018	45	5	107	3	29	6
Killer Maltese	49	4	134	2	124	1
Naperville Meerkats	118	1	85	4	28	7
Notorious BE AR D	40	6	-68	11	80	3
Plano Tiburon	53	3	148	1	92	2
PTBNL	-38	12	-96	13	-46	11
RBI's all day	4	9	-30	9	-14	10
San Antonio Kindness	55	2	70	5	65	4
Southern Rockets	-64	14	-45	10	-109	13
Thomas's Okay Team	18	7	-17	7	40	5
Vatican City Popes	-24	11	-175	14	-5	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	8	-52	-111	-46	-41	-75	-99	-123	63	-81	-56
Boston Poindexters	242	89	43	-38	128	-159	-202	-172	-24	-17	-11
CRYOGENIC TEDS	-102	19	80	9	-34	8	-30	5	-83	-85	-21
KGG Baseball 2018	82	-80	-37	-15	79	-6	96	-4	107	107	33
Killer Maltese	-182	33	-50	-93	-85	189	61	121	104	164	26
Naperville Meerkats	51	230	277	-180	249	-34	50	67	49	120	88
Notorious BE AR D	-10	96	49	-70	96	8	188	43	-44	-93	26
Plano Tiburon	8	-17	-50	-117	-34	133	38	104	179	117	36
PTBNL	-47	-31	-93	88	-71	8	-145	-2	-139	-52	-48
RBI's all day	-59	61	30	88	-39	36	-30	-46	-13	-48	-2
San Antonio Kindness	33	-52	-10	190	-85	105	4	87	61	79	41
Southern Rockets	-78	-164	-105	88	-90	-173	38	-193	-63	-26	-77
Thomas's Okay Team	70	-122	-50	88	-34	8	50	62	-16	-17	4
Vatican City Popes	-16	-10	27	9	-41	-48	-19	52	-181	-169	-39

## **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)