

## 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	-38	12	-33	8	-35	10
Boston Poindexters	-1	5	110	2	-75	12
CRYOGENIC TEDS	-39	13	-78	13	-20	8
KGG Baseball 2018	-2	6	-60	10	44	4
Killer Maltese	61	2	15	6	126	1
Naperville Meerkats	84	1	175	1	55	3
Notorious BE AR D	47	3	76	3	42	5
Plano Tiburon	-6	7	-64	11	63	2
PTBNL	-23	11	27	5	-90	13
RBI's all day	-14	8	40	4	-71	11
San Antonio Kindness	17	4	-66	12	40	6
Southern Rockets	-18	9	-38	9	-24	9
Thomas's Okay Team	-18	10	-94	14	37	7
Vatican City Popes	-50	14	-9	7	-93	14

**Week 6**

## 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	-27	13	55	6	-95	12
Boston Poindexters	13	5	-21	9	-111	14
CRYOGENIC TEDS	-21	12	-75	11	17	7
KGG Baseball 2018	9	6	80	4	20	6
Killer Maltese	77	2	101	2	143	1
Naperville Meerkats	109	1	114	1	16	8
Notorious BE AR D	60	3	-57	10	108	2
Plano Tiburon	8	7	67	5	60	3
PTBNL	-6	11	-136	13	-59	10
RBI's all day	-0	9	-84	12	-62	11
San Antonio Kindness	30	4	27	8	49	4
Southern Rockets	3	8	96	3	-104	13
Thomas's Okay Team	-2	10	28	7	43	5
Vatican City Popes	-32	14	-197	14	-23	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	-8	3	-122	-66	-8	-36	-132	-119	103	7	-38
Boston Poindexters	252	48	51	-77	88	-79	-132	-122	-10	-32	-1
CRYOGENIC TEDS	-195	-31	-17	27	-71	30	18	3	-48	-102	-39
KGG Baseball 2018	-79	-98	-50	-4	-11	-36	126	-29	69	92	-2
Killer Maltese	-79	82	55	-77	0	226	61	142	79	123	61
Naperville Meerkats	46	161	261	-139	233	-58	83	23	113	115	84
Notorious BE AR D	-34	139	63	-46	135	117	147	58	-42	-72	47
Plano Tiburon	1	-19	-105	-118	-134	117	-3	66	79	56	-6
PTBNL	64	37	-29	109	36	-14	-153	-9	-180	-92	-23
RBI's all day	-34	105	63	58	28	8	-132	-63	-62	-106	-14
San Antonio Kindness	-43	-98	-21	233	-101	-36	61	120	17	38	17
Southern Rockets	64	-110	-54	89	-52	-145	40	-208	62	131	-18
Thomas's Okay Team	10	-166	-122	6	-98	30	18	81	29	27	-18
Vatican City Popes	37	-53	26	6	-46	-123	-3	57	-210	-185	-50

## **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)