

## 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	91	1	153	2	43	6
Boston Poindexters	27	6	-46	10	64	3
CRYOGENIC TEDS	-7	8	46	4	-35	10
KGG Baseball '17	34	5	-14	7	101	1
Killer Maltese	-24	9	-62	11	-22	8
Luis's Legit Team	-89	13	-159	14	-77	13
Naperville Roses	79	2	154	1	57	4
Notorious BE AR D	53	4	110	3	25	7
Plainfield Shutouts	-95	14	-125	13	-74	12
Plano Tiburon	17	7	-23	8	72	2
RBI's all day	-34	10	-27	9	-34	9
The Planet Bandits	-55	12	25	6	-124	14
Thomas's Okay Team	-50	11	-69	12	-42	11
Vatican City Popes	53	3	37	5	46	5

**Week 19**

## 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	108	1	59	4	31	7
Boston Poindexters	38	6	126	2	22	8
CRYOGENIC TEDS	9	8	-145	13	38	6
KGG Baseball '17	50	5	128	1	84	2
Killer Maltese	-17	9	-64	11	7	9
Luis's Legit Team	-75	13	53	5	-163	14
Naperville Roses	100	2	53	6	60	3
Notorious BE AR D	64	4	-6	8	45	5
Plainfield Shutouts	-83	14	47	7	-155	13
Plano Tiburon	30	7	92	3	58	4
RBI's all day	-27	10	-80	12	-3	10
The Planet Bandits	-41	11	-178	14	-88	12
Thomas's Okay Team	-45	12	-27	9	-51	11
Vatican City Popes	66	3	-58	10	116	1

## 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	172	143	116	90	182	-56	156	-6	31	87	91
Boston Poindexters	-23	-78	-45	134	-38	19	19	28	123	129	27
CRYOGENIC TEDS	54	86	34	-72	8	84	-37	65	-150	-139	-7
KGG Baseball '17	-72	-7	29	-113	-4	75	100	76	144	113	34
Killer Maltese	-47	-50	-95	112	-56	9	-17	28	-47	-82	-24
Luis's Legit Team	-112	-182	-196	134	-147	-131	-149	-209	76	30	-89
Naperville Roses	130	172	162	-113	151	84	34	60	44	62	79
Notorious BE AR D	67	89	153	-39	133	9	151	-25	-52	40	53
Plainfield Shutouts	-155	-107	-94	-76	-145	-197	-103	-165	7	87	-95
Plano Tiburon	-92	22	8	-91	-32	169	-83	88	116	68	17
RBI's all day	-31	-50	-21	-65	-7	19	-37	9	-102	-58	-34
The Planet Bandits	36	57	26	-32	-18	-75	-139	-49	-174	-181	-55
Thomas's Okay Team	-59	-68	-74	-17	-73	-94	9	-68	33	-88	-50
Vatican City Popes	132	-28	-1	148	47	84	95	168	-50	-67	53

## **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)