

## 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	92	2	156	1	46	5
Boston Poindexters	58	3	-32	9	116	1
CRYOGENIC TEDS	-12	8	44	5	-49	10
KGG Baseball '17	20	5	-31	8	82	3
Killer Maltese	-12	9	-52	10	-13	7
Luis's Legit Team	-85	13	-148	14	-69	13
Naperville Roses	93	1	146	2	92	2
Notorious BE AR D	15	6	72	4	-14	8
Plainfield Shutouts	-85	14	-117	13	-64	12
Plano Tiburon	-5	7	-61	11	56	4
RBI's all day	-34	10	0	7	-52	11
The Planet Bandits	-44	11	39	6	-111	14
Thomas's Okay Team	-56	12	-101	12	-27	9
Vatican City Popes	54	4	83	3	7	6

**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	105	2	36	6	52	6
Boston Poindexters	71	4	169	1	81	2
CRYOGENIC TEDS	4	8	-146	14	16	8
KGG Baseball '17	31	5	121	2	55	5
Killer Maltese	-3	9	-73	10	27	7
Luis's Legit Team	-73	13	29	7	-135	13
Naperville Roses	116	1	79	3	102	1
Notorious BE AR D	29	6	-52	9	11	9
Plainfield Shutouts	-76	14	68	4	-151	14
Plano Tiburon	8	7	49	5	60	4
RBI's all day	-27	10	-81	11	-33	10
The Planet Bandits	-34	11	-122	13	-104	12
Thomas's Okay Team	-49	12	21	8	-58	11
Vatican City Popes	74	3	-99	12	78	3

## 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	130	165	155	68	172	-27	175	9	10	62	92
Boston Poindexters	13	-63	-52	126	-25	118	48	76	151	188	58
CRYOGENIC TEDS	41	77	46	-47	11	2	0	45	-150	-141	-12
KGG Baseball '17	-83	-41	10	-83	-11	46	64	56	150	93	20
Killer Maltese	-32	-19	-96	152	-59	75	0	6	-67	-79	-12
Luis's Legit Team	-103	-172	-182	90	-133	-100	-119	-186	39	20	-85
Naperville Roses	116	147	176	-118	144	162	48	95	56	101	93
Notorious BE AR D	29	60	89	-69	109	-12	87	-41	-114	10	15
Plainfield Shutouts	-156	-102	-85	-69	-123	-172	-127	-154	59	77	-85
Plano Tiburon	-117	-37	-21	-83	-68	147	-95	129	73	25	-5
RBI's all day	7	-15	-13	-78	22	-12	-95	9	-92	-70	-34
The Planet Bandits	34	103	31	-38	-10	-114	-119	-80	-110	-134	-44
Thomas's Okay Team	-67	-115	-97	-25	-126	-71	-8	-97	71	-30	-56
Vatican City Popes	187	12	39	175	96	-42	143	132	-77	-122	54

## **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)