

## New and Improved Power Ranking (NIPR)

*Nipr={all cats}; Bop={run,hr,rbi,tb}; Pitch={w,sv,k,era,whip}*

Team	NIPR	NIPR Rank	BOP	BOP Rank	PITCH	PITCH Rank
Bay City Brawlers	-47	12	-155	14	29	5
Boston Poindexters	25	5	-0	7	33	4
CRYOGENIC TEDS	27	4	124	2	-48	11
Kelly Green Guys	51	3	60	5	34	3
Killer Maltese	20	6	71	4	17	6
Killer Rabbits	4	7	4	6	1	7
LA Raindrops	-63	13	-99	12	-65	13
Naperville Sixty	116	1	129	1	134	1
Notorious BE AR D	-30	9	-13	8	-26	9
Plano Tiburon	-42	11	-20	9	-56	12
PTBNL	53	2	108	3	-8	8
RBI's all day	-76	14	-108	13	-68	14
Southern Rockets	-31	10	-59	11	-30	10
Vatican City Popes	-4	8	-42	10	53	2

**Week 16**

## NIPR for Special Category Areas

*NIPR-1={all cats except your worst}; PQUAL={era,whip}; PQUAN={win,svh,k}*

Team	NIPR-1	NIPR-1 Rank	PQUAL	PQUAL Rank	PQUAN	PQUAN Rank
Bay City Brawlers	-29	11	-19	8	27	7
Boston Poindexters	37	5	116	3	-54	10
CRYOGENIC TEDS	43	4	-100	13	10	8
Kelly Green Guys	61	3	-29	9	65	2
Killer Maltese	37	6	24	4	-37	9
Killer Rabbits	16	7	-12	7	51	4
LA Raindrops	-48	13	-53	10	-59	11
Naperville Sixty	144	1	223	1	113	1
Notorious BE AR D	-16	10	-140	14	33	6
Plano Tiburon	-34	12	-77	12	-62	12
PTBNL	68	2	-71	11	41	5
RBI's all day	-67	14	8	6	-93	13
Southern Rockets	-12	9	119	2	-96	14
Vatican City Popes	5	8	11	5	64	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	K	Era	Whip	SvH	NIPR
Bay City Brawlers	-47	-195	-205	108	-174	91	64	-4	-34	-74	-47
Boston Poindexters	36	-18	-33	181	14	-84	-15	110	121	-64	25
CRYOGENIC TEDS	140	149	73	-60	135	-57	65	-81	-119	21	27
Kelly Green Guys	86	77	61	131	18	91	101	-42	-16	2	51
Killer Maltese	104	-9	118	-20	73	-84	102	-7	56	-131	20
Killer Rabbits	-11	-27	5	-104	49	38	-11	19	-43	125	4
LA Raindrops	-202	27	-68	47	-151	-57	-99	-48	-58	-22	-63
Naperville Sixty	61	153	151	-144	149	159	-70	243	204	249	116
Notorious BE AR D	-72	36	40	-71	-55	64	112	-162	-118	-79	-30
Plano Tiburon	-54	31	-16	-4	-41	-57	-14	-82	-71	-117	-42
PTBNL	151	54	108	114	120	78	32	-83	-58	12	53
RBI's all day	-76	-163	-129	-65	-64	-138	-149	41	-25	7	-76
Southern Rockets	-47	-46	-73	-26	-71	-151	-206	74	164	68	-31
Vatican City Popes	-69	-68	-31	-88	-1	105	86	25	-4	2	-4

## **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)

BOP = average(run,hr,rbi,tb)

PITCH = average(win,k,era,whip,svh)

PQUAN=average(win,k, svh)

PQUAL=average(era,whip)