

## 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	-3	9	-77	11	84	2
Boston Poindexters	12	6	-2	8	3	5
CRYOGENIC TEDS	20	5	140	1	-67	13
Kelly Green Guys	33	4	15	7	27	4
Killer Maltese	37	3	27	4	82	3
Killer Rabbits	-17	10	-34	10	-14	9
LA Raindrops	-98	14	-156	14	-78	14
Naperville Sixty	111	1	121	3	144	1
Notorious BE AR D	-45	11	-18	9	-66	12
Plano Tiburon	8	7	25	5	-9	8
PTBNL	71	2	137	2	-7	7
RBI's all day	-67	13	-92	12	-51	11
Southern Rockets	-61	12	-102	13	-48	10
Vatican City Popes	-0	8	15	6	-0	6

**Week 8**

## 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	17	8	3	6	49	4
Boston Poindexters	28	6	95	3	-65	11
CRYOGENIC TEDS	39	5	-147	14	7	8
Kelly Green Guys	43	4	13	5	37	5
Killer Maltese	46	3	112	2	18	6
Killer Rabbits	-9	10	-70	11	66	3
LA Raindrops	-84	14	-43	10	-105	14
Naperville Sixty	142	1	224	1	115	1
Notorious BE AR D	-39	11	-104	13	-34	10
Plano Tiburon	18	7	-25	9	-21	9
PTBNL	89	2	-96	12	89	2
RBI's all day	-60	13	-15	8	-77	12
Southern Rockets	-50	12	62	4	-93	13
Vatican City Popes	10	9	-9	7	15	7

## 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	21	-137	-127	129	-65	199	131	14	-9	-185	-3
Boston Poindexters	33	-27	-39	129	26	-134	-44	108	82	-15	12
CRYOGENIC TEDS	191	183	41	-89	146	-30	54	-150	-144	-5	20
Kelly Green Guys	4	37	17	139	1	-51	135	-28	53	27	33
Killer Maltese	-21	-46	150	-22	26	-9	111	77	147	-47	37
Killer Rabbits	-58	-73	9	-89	-15	74	12	-70	-71	112	-17
LA Raindrops	-187	-73	-139	44	-227	-51	-176	-12	-73	-89	-98
Naperville Sixty	104	165	106	-165	109	158	-31	245	203	218	111
Notorious BE AR D	-75	9	37	-70	-44	-30	-26	-105	-103	-47	-45
Plano Tiburon	-4	55	21	91	29	12	3	-25	-26	-79	8
PTBNL	154	110	166	82	119	74	90	-99	-92	102	71
RBI's all day	-83	-110	-127	-41	-47	-71	-102	6	-37	-58	-67
Southern Rockets	-79	-92	-111	-51	-125	-155	-162	51	73	38	-61
Vatican City Popes	0	0	-7	-89	66	12	5	-13	-5	27	-0

## **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)