

## 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	-29	11	-121	14	38	3
Boston Poindexters	15	5	-10	8	27	5
CRYOGENIC TEDS	31	4	155	1	-78	14
Kelly Green Guys	53	2	45	4	57	2
Killer Maltese	3	7	14	7	13	6
Killer Rabbits	-16	9	-48	10	6	7
LA Raindrops	-74	14	-114	13	-68	13
Naperville Sixty	108	1	117	2	133	1
Notorious BE AR D	-7	8	25	6	-0	8
Plano Tiburon	-20	10	31	5	-55	12
PTBNL	39	3	94	3	-25	9
RBI's all day	-73	13	-113	12	-45	11
Southern Rockets	-35	12	-62	11	-35	10
Vatican City Popes	3	6	-12	9	33	4

**Week 13**

## 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	-10	10	-45	9	50	5
Boston Poindexters	26	5	123	2	-69	11
CRYOGENIC TEDS	50	4	-128	14	-4	8
Kelly Green Guys	61	2	-4	6	83	2
Killer Maltese	14	6	21	4	-31	9
Killer Rabbits	-4	9	-31	8	71	3
LA Raindrops	-60	13	-54	10	-75	13
Naperville Sixty	139	1	241	1	101	1
Notorious BE AR D	3	8	-79	12	28	7
Plano Tiburon	-10	11	-61	11	-67	10
PTBNL	53	3	-88	13	32	6
RBI's all day	-63	14	12	5	-72	12
Southern Rockets	-18	12	105	3	-100	14
Vatican City Popes	10	7	-12	7	52	4

## 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	24	-172	-196	135	-139	142	101	-39	-51	-92	-29
Boston Poindexters	16	-27	-45	149	16	-86	-53	129	117	-67	15
CRYOGENIC TEDS	195	159	98	-39	167	-86	30	-116	-141	44	31
Kelly Green Guys	54	66	57	114	1	112	125	-13	5	13	53
Killer Maltese	12	-50	98	24	-5	-101	110	-5	46	-104	3
Killer Rabbits	-82	-61	-49	-115	-1	66	18	-18	-43	130	-16
LA Raindrops	-193	26	-90	52	-198	-40	-125	-49	-59	-61	-74
Naperville Sixty	50	154	121	-178	144	127	-78	262	219	254	108
Notorious BE AR D	-70	78	98	-94	-8	66	91	-96	-61	-73	-7
Plano Tiburon	29	49	38	3	9	-70	-27	-62	-59	-104	-20
PTBNL	144	37	91	93	103	36	41	-92	-84	19	39
RBI's all day	-87	-154	-136	-80	-76	-86	-120	43	-18	-11	-73
Southern Rockets	-87	-44	-56	-11	-60	-161	-188	58	152	50	-35
Vatican City Popes	-5	-61	-30	-53	47	81	75	-2	-23	1	3

## **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)