

## New and Improved Power Ranking (NIPR)

*Nipr = {all cats}; NIPR-1 = {all cats except your worst}*

Team	NIPR	NIPR Rank	NIPR-1	NIPR-1 Rank
Aperture Mantis Men	3	6	24	5
Bay City Brawlers	-6	8	6	8
Brook Bombers	-6	9	5	9
Call of Baseball	-51	12	-39	12
CRYOGENIC TEDS	10	5	21	6
Danks for Nothin`	-35	11	-22	11
jax suns	-65	13	-56	13
KGG 2013	131	1	140	1
Killer Maltese	55	3	66	3
Naperville Critters	-19	10	-5	10
Plano Tiburon	-91	14	-81	14
The Flying Penguins	22	4	31	4
The Hills Have RBIs	56	2	77	2
Vatican City Popes	-2	7	14	7

## NIPR for Category Areas

*BOPPER={run,hr,rbi,tb}; PQUAL={era,whip}; PQUAN={win,k}*

Team	BOPPER	BOPPER Rank	PQUAL	PQUAL Rank	PQUAN	PQUAN Rank
Aperture Mantis Men	50	3	109	2	-127	13
Bay City Brawlers	35	5	-92	12	-30	9
Brook Bombers	19	6	-4	9	-102	12
Call of Baseball	-102	13	-1	7	-150	14
CRYOGENIC TEDS	-37	10	77	3	67	3
Danks for Nothin`	-30	9	-2	8	-31	10
jax suns	-93	12	-63	11	-68	11
KGG 2013	178	1	54	5	146	2
Killer Maltese	2	8	158	1	40	5
Naperville Critters	-86	11	-33	10	161	1
Plano Tiburon	-105	14	-174	14	-5	8
The Flying Penguins	50	4	5	6	22	6
The Hills Have RBIs	116	2	72	4	61	4
Vatican City Popes	3	7	-107	13	16	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	Sv	K	Era	Whip	NIPR
Aperture Mantis Men	-17	-84	228	-186	75	-112	51	-142	151	66	3
Bay City Brawlers	17	21	84	109	17	-4	-65	-55	-120	-65	-6
Brook Bombers	134	-93	-20	128	54	-97	-55	-108	33	-41	-6
Call of Baseball	-130	-75	-96	109	-107	-158	90	-142	-118	115	-51
CRYOGENIC TEDS	17	-23	-73	-91	-70	-20	51	154	42	113	10
Danks for Nothin`	-100	64	-11	-15	-74	-51	-152	-12	-35	31	-35
jax suns	-92	-58	-73	14	-149	-66	-36	-69	-65	-60	-65
KGG 2013	228	212	62	147	209	165	51	127	52	57	131
Killer Maltese	-43	12	14	-5	26	26	148	53	169	148	55
Naperville Critters	-111	-67	-81	-148	-86	196	41	127	8	-74	-19
Plano Tiburon	-43	-154	-138	-34	-85	-20	-103	10	-159	-188	-91
The Flying Penguins	47	47	20	23	85	88	-55	-43	30	-20	22
The Hills Have RBIs	74	151	135	-34	105	26	-132	95	86	59	56
Vatican City Popes	17	47	-51	-15	0	26	167	5	-75	-139	-2

## **NIPR Explanation**

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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)