

## 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	15	5	36	4
Bay City Brawlers	-28	11	-17	11
Brook Bombers	-14	9	-3	10
Call of Baseball	-45	13	-31	12
CRYOGENIC TEDS	8	6	21	6
Danks for Nothin`	-16	10	-1	9
jax suns	-40	12	-31	13
KGG 2013	143	1	152	1
Killer Maltese	37	2	49	2
Naperville Critters	-11	7	3	7
Plano Tiburon	-83	14	-71	14
The Flying Penguins	16	4	26	5
The Hills Have RBIs	30	3	47	3
Vatican City Popes	-13	8	1	8

## 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	64	3	136	1	-126	13
Bay City Brawlers	-1	7	-95	12	-44	10
Brook Bombers	13	6	-32	10	-101	12
Call of Baseball	-127	14	59	5	-159	14
CRYOGENIC TEDS	-32	10	67	4	63	4
Danks for Nothin`	20	5	-3	8	-26	9
jax suns	-73	11	12	7	-60	11
KGG 2013	193	1	78	3	150	2
Killer Maltese	-20	9	113	2	41	5
Naperville Critters	-81	12	-7	9	152	1
Plano Tiburon	-85	13	-178	14	5	7
The Flying Penguins	44	4	28	6	4	8
The Hills Have RBIs	101	2	-45	11	64	3
Vatican City Popes	-17	8	-130	13	36	6

## 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	1	-57	223	-173	89	-111	46	-140	173	98	15
Bay City Brawlers	-38	-4	57	69	-20	-22	-64	-65	-125	-66	-28
Brook Bombers	148	-95	-57	133	57	-97	-55	-105	10	-75	-14
Call of Baseball	-149	-103	-122	165	-134	-171	96	-147	-58	175	-45
CRYOGENIC TEDS	19	-12	-59	-101	-76	-22	54	148	52	82	8
Danks for Nothin`	-67	132	26	-28	-11	-52	-157	-1	-38	33	-16
jax suns	-45	-50	-67	12	-128	-52	-30	-67	-8	31	-40
KGG 2013	230	208	101	133	233	171	71	130	93	62	143
Killer Maltese	-70	-12	-2	-4	4	22	147	60	152	75	37
Naperville Critters	-110	-65	-75	-141	-75	186	63	119	28	-42	-11
Plano Tiburon	-13	-141	-119	-28	-66	-7	-114	17	-165	-191	-83
The Flying Penguins	41	26	18	-4	92	67	-72	-59	39	16	16
The Hills Have RBIs	73	132	130	-20	68	37	-123	91	-35	-55	30
Vatican City Popes	-20	41	-54	-12	-34	52	138	19	-119	-142	-13

## **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)