

## 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	-21	9	-4	9
Bay City Brawlers	-45	13	-35	13
Brook Bombers	-24	10	-9	10
Call of Baseball	-40	12	-25	12
CRYOGENIC TEDS	24	4	43	4
Danks for Nothin`	-14	7	-1	7
jax suns	-31	11	-23	11
KGG 2013	128	1	138	1
Killer Maltese	11	5	25	6
Naperville Critters	10	6	26	5
Plano Tiburon	-68	14	-53	14
The Flying Penguins	-18	8	-3	8
The Hills Have RBIs	52	2	68	2
Vatican City Popes	34	3	48	3

## 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	4	-38	9	-133	13
Bay City Brawlers	-30	9	-88	12	-55	10
Brook Bombers	37	5	-135	14	-110	12
Call of Baseball	-132	14	111	3	-144	14
CRYOGENIC TEDS	-46	10	119	2	117	3
Danks for Nothin`	-5	8	28	6	3	8
jax suns	-74	11	29	5	-79	11
KGG 2013	140	1	94	4	134	1
Killer Maltese	-97	12	170	1	27	6
Naperville Critters	11	7	-13	7	131	2
Plano Tiburon	-102	13	-54	10	16	7
The Flying Penguins	67	3	-125	13	-52	9
The Hills Have RBIs	132	2	-27	8	63	5
Vatican City Popes	35	6	-71	11	83	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	Sv	K	Era	Whip	NIPR
Aperture Mantis Men	8	-25	225	-180	47	-145	53	-121	-14	-62	-21
Bay City Brawlers	-87	-30	37	5	-39	-56	-50	-55	-134	-43	-45
Brook Bombers	117	-19	-54	109	105	-112	-10	-107	-109	-162	-24
Call of Baseball	-166	-67	-125	98	-169	-145	98	-143	55	167	-40
CRYOGENIC TEDS	-21	-35	-34	-142	-94	65	98	168	120	117	24
Danks for Nothin`	-80	92	1	-49	-31	-7	-130	14	-1	57	-14
jax suns	-28	-88	-79	87	-101	-80	1	-78	34	25	-31
KGG 2013	181	160	42	153	177	130	116	137	88	100	128
Killer Maltese	-114	-83	-90	22	-101	9	87	45	207	133	11
Naperville Critters	-12	34	-13	-137	34	154	-39	107	9	-35	10
Plano Tiburon	-3	-209	-138	-33	-57	33	-165	-1	-23	-86	-68
The Flying Penguins	40	55	63	11	109	-24	-102	-80	-147	-103	-18
The Hills Have RBIs	160	144	134	16	88	49	-96	76	6	-59	52
Vatican City Popes	6	71	31	38	34	130	138	37	-93	-49	34

## **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)