

## 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	19	5	36	5
Bay City Brawlers	-5	8	5	8
Brook Bombers	15	7	26	6
Call of Baseball	-52	12	-38	11
CRYOGENIC TEDS	60	2	77	2
Danks for Nothin`	-67	13	-58	13
jax suns	-50	11	-41	12
KGG 2013	108	1	120	1
Killer Maltese	38	4	50	4
Naperville Critters	-17	10	0	10
Plano Tiburon	-100	14	-89	14
The Flying Penguins	15	6	22	7
The Hills Have RBIs	43	3	60	3
Vatican City Popes	-7	9	4	9

## 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	3	7	207	1	-91	12
Bay City Brawlers	45	4	-88	13	-49	10
Brook Bombers	18	6	42	4	-78	11
Call of Baseball	-112	14	22	5	-149	14
CRYOGENIC TEDS	39	5	127	2	109	3
Danks for Nothin`	-79	12	-64	11	-25	8
jax suns	-66	11	-14	9	-104	13
KGG 2013	171	1	2	7	140	2
Killer Maltese	-17	9	64	3	76	4
Naperville Critters	-56	10	-31	10	144	1
Plano Tiburon	-91	13	-194	14	-39	9
The Flying Penguins	46	3	-2	8	-21	7
The Hills Have RBIs	99	2	12	6	66	5
Vatican City Popes	-0	8	-85	12	22	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	-112	-135	219	-136	40	-53	85	-130	232	181	19
Bay City Brawlers	21	14	98	134	48	-13	-94	-86	-75	-100	-5
Brook Bombers	136	-85	-23	159	46	-73	-13	-83	25	59	15
Call of Baseball	-136	-98	-124	70	-92	-174	117	-124	-41	85	-52
CRYOGENIC TEDS	112	89	-44	-97	-0	47	68	170	114	140	60
Danks for Nothin`	-136	27	-61	-33	-146	-53	-142	4	-79	-49	-67
jax suns	-3	-73	-53	57	-136	-114	-61	-94	-14	-13	-50
KGG 2013	160	238	77	108	211	148	3	132	8	-4	108
Killer Maltese	-69	-11	6	-33	5	88	198	64	75	54	38
Naperville Critters	-93	-23	-40	-174	-68	168	3	119	-17	-45	-17
Plano Tiburon	-33	-85	-157	-59	-87	-93	-110	15	-198	-190	-100
The Flying Penguins	33	-11	56	44	105	7	-29	-49	7	-11	15
The Hills Have RBIs	81	126	98	-7	89	47	-110	85	19	6	43
Vatican City Popes	39	27	-53	-33	-14	68	85	-23	-56	-114	-7

## **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)