

New and Improved Power Ranking (NIPR)

Nipr={all cats}; Bopper={run,hr,rbi,tb}; Pitchin={w,sv,k,era,whip}

Team	NIPR	NIPR Rank		BOPPER	BOPPER Rank		PITCHIN	PITCHIN Rank
Bay City Brawlers	18	5		28	5		15	5
Bayside Tigers	-25	10		-32	9		-5	7
CRYOGENIC TEDS	53	4		62	4		69	4
jax suns	-38	13		-28	8		-83	13
KGG 2013	2	6		-87	13		82	3
Killer Maltese	-35	12		-47	12		-30	10
Naperville Lunchbox	59	3		62	3		99	2
Plainfield Shutouts	-30	11		-47	11		-30	11
Plano Tiburon	80	2		70	2		102	1
RBI's all day	-124	14		-155	14		-107	14
The Flying Penguins	1	7		-14	7		-26	9
The Hills Have RBIs	-25	9		23	6		-64	12
The Lazy Robot	85	1		207	1		-23	8
Vatican City Popes	-22	8		-41	10		-1	6

NIPR for Special Category Areas

NIPR-1={all cats except your worst}; PQUAL={era, whip}; PQUAN={win, sv, k}

Team	NIPR-1	NIPR-1 Rank	PQUAL	PQUAL Rank	PQUAN	PQUAN Rank
Bay City Brawlers	31	5	61	3	-40	10
Bayside Tigers	-12	10	85	2	-130	14
CRYOGENIC TEDS	66	4	49	4	41	5
jax suns	-28	13	-67	12	-106	12
KGG 2013	17	6	-11	8	140	2
Killer Maltese	-26	12	-6	7	-12	7
Naperville Lunchbox	83	3	24	5	202	1
Plainfield Shutouts	-24	11	-31	9	-23	9
Plano Tiburon	91	2	211	1	53	4
RBI's all day	-110	14	-79	13	-79	11
The Flying Penguins	14	7	22	6	-108	13
The Hills Have RBIs	-11	9	-145	14	10	6
The Lazy Robot	111	1	-47	10	-21	8
Vatican City Popes	-10	8	-65	11	73	3

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
Bay City Brawlers	135	-99	-11	-10	85	-35	35	-46	38	84	18
Bayside Tigers	-59	47	-61	-105	-54	-149	66	-110	42	128	-25
CRYOGENIC TEDS	127	21	54	-63	45	27	167	56	51	46	53
jax suns	8	-26	-54	149	-41	-97	-65	-116	-13	-121	-38
KGG 2013	-87	-42	-88	-40	-130	183	151	97	21	-43	2
Killer Maltese	12	-73	-101	-10	-27	-14	-111	-10	-8	-5	-35
Naperville Lunchbox	8	162	67	-152	12	152	43	252	61	-13	59
Plainfield Shutouts	-31	-84	-54	37	-20	27	-42	-74	-65	2	-30
Plano Tiburon	92	31	67	13	90	48	-19	59	231	192	80
RBI's all day	-245	-115	-101	-81	-160	-87	-219	-70	-1	-156	-124
The Flying Penguins	-19	-42	-39	190	44	-118	43	-98	62	-18	1
The Hills Have RBIs	-63	68	57	-22	28	27	-50	-8	-139	-152	-25
The Lazy Robot	100	225	275	143	227	-66	20	24	-150	55	85
Vatican City Popes	20	-73	-11	-51	-98	100	-19	46	-130	-1	-22

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)

BOPPER = average(run,hr,rbi,tb)

PQUAN=average(win,k)

PQUAL=average(era,whip)