## 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	-64	13	-58	11	-73	12
Boston Poindexters	-17	10	126	2	-127	14
CRYOGENIC TEDS	-3	8	16	4	-16	9
KGG Baseball 2018	38	3	12	6	69	4
Killer Maltese	24	6	-78	13	128	1
Naperville Meerkats	70	1	186	1	26	6
Notorious BE AR D	28	5	79	3	9	7
Plano Tiburon	38	4	-2	7	101	2
PTBNL	-53	12	-76	12	-63	11
RBI's all day	-12	9	-45	10	-7	8
San Antonio Kindness	59	2	14	5	71	3
Southern Rockets	-83	14	-107	14	-100	13
Thomas's Okay Team	13	7	-45	9	43	5
Vatican City Popes	-36	11	-23	8	-59	10

Week 11

## **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	-56	13	-22	8	-107	12
Boston Poindexters	3	9	-50	9	-178	14
CRYOGENIC TEDS	5	8	-54	10	9	8
KGG Baseball 2018	51	4	127	3	29	6
Killer Maltese	48	5	144	1	117	1
Naperville Meerkats	97	1	39	5	18	7
Notorious BE AR D	43	6	-93	13	77	2
Plano Tiburon	55	3	141	2	74	3
PTBNL	-44	12	-93	12	-43	11
RBI's all day	-3	10	9	7	-17	10
San Antonio Kindness	67	2	74	4	69	4
Southern Rockets	-71	14	-79	11	-113	13
Thomas's Okay Team	30	7	12	6	63	5
Vatican City Popes	-22	11	-154	14	3	9

## **NIPR Category Data**

Category Z-score \* 100. Average is 0. One stdev better than average is 100. And 1 stdev worse is -100.

Run	Hr	Rbi	Sb	Tb	W	Sv	K	Era	Whip	NIPR
-1	-56	-114	-40	-60	-89	-103	-131	60	-104	-64
233	95	54	-40	121	-168	-200	-167	-60	-40	-17
-53	49	91	-11	-21	30	-16	11	-39	-69	-3
56	-76	-30	-11	98	-9	81	17	135	119	38
-198	36	-56	-92	-92	176	61	113	110	178	24
41	219	259	-179	225	-49	42	61	2	75	70
15	108	74	-77	118	-9	197	42	-80	-107	28
10	9	-24	-121	-1	109	23	91	165	116	38
-63	-63	-99	84	-78	17	-142	-4	-141	-45	-53
-84	9	-13	92	-92	30	-26	-56	4	14	-12
36	-10	42	179	-13	123	-16	100	72	75	59
-84	-155	-111	92	-78	-168	23	-195	-96	-61	-83
98	-142	-68	92	-67	43	81	66	19	4	13
-6	-23	-4	33	-58	-36	-6	52	-151	-156	-36
	-1 233 -53 56 -198 41 15 10 -63 -84 36 -84	-1 -56 233 95 -53 49 56 -76 -198 36 41 219 15 108 10 9 -63 -63 -84 9 36 -10 -84 -155 98 -142	-1	-1	-1 -56 -114 -40 -60 233 95 54 -40 121 -53 49 91 -11 -21 56 -76 -30 -11 98 -198 36 -56 -92 -92 41 219 259 -179 225 15 108 74 -77 118 10 9 -24 -121 -1 -63 -63 -99 84 -78 -84 9 -13 92 -92 36 -10 42 179 -13 -84 -155 -111 92 -78 98 -142 -68 92 -67	-1       -56       -114       -40       -60       -89         233       95       54       -40       121       -168         -53       49       91       -11       -21       30         56       -76       -30       -11       98       -9         -198       36       -56       -92       -92       176         41       219       259       -179       225       -49         15       108       74       -77       118       -9         10       9       -24       -121       -1       109         -63       -63       -99       84       -78       17         -84       9       -13       92       -92       30         36       -10       42       179       -13       123         -84       -155       -111       92       -78       -168         98       -142       -68       92       -67       43	-1       -56       -114       -40       -60       -89       -103         233       95       54       -40       121       -168       -200         -53       49       91       -11       -21       30       -16         56       -76       -30       -11       98       -9       81         -198       36       -56       -92       -92       176       61         41       219       259       -179       225       -49       42         15       108       74       -77       118       -9       197         10       9       -24       -121       -1       109       23         -63       -63       -99       84       -78       17       -142         -84       9       -13       92       -92       30       -26         36       -10       42       179       -13       123       -16         -84       -155       -111       92       -78       -168       23         98       -142       -68       92       -67       43       81	-1       -56       -114       -40       -60       -89       -103       -131         233       95       54       -40       121       -168       -200       -167         -53       49       91       -11       -21       30       -16       11         56       -76       -30       -11       98       -9       81       17         -198       36       -56       -92       -92       176       61       113         41       219       259       -179       225       -49       42       61         15       108       74       -77       118       -9       197       42         10       9       -24       -121       -1       109       23       91         -63       -63       -99       84       -78       17       -142       -4         -84       9       -13       92       -92       30       -26       -56         36       -10       42       179       -13       123       -16       100         -84       -155       -111       92       -78       -168       23       -195 <t< td=""><td>-1         -56         -114         -40         -60         -89         -103         -131         60           233         95         54         -40         121         -168         -200         -167         -60           -53         49         91         -11         -21         30         -16         11         -39           56         -76         -30         -11         98         -9         81         17         135           -198         36         -56         -92         -92         176         61         113         110           41         219         259         -179         225         -49         42         61         2           15         108         74         -77         118         -9         197         42         -80           10         9         -24         -121         -1         109         23         91         165           -63         -63         -99         84         -78         17         -142         -4         -141           -84         9         -13         92         -92         30         -26         -56         4</td><td>-1         -56         -114         -40         -60         -89         -103         -131         60         -104           233         95         54         -40         121         -168         -200         -167         -60         -40           -53         49         91         -11         -21         30         -16         11         -39         -69           56         -76         -30         -11         98         -9         81         17         135         119           -198         36         -56         -92         -92         176         61         113         110         178           41         219         259         -179         225         -49         42         61         2         75           15         108         74         -77         118         -9         197         42         -80         -107           10         9         -24         -121         -1         109         23         91         165         116           -63         -63         -99         84         -78         17         -142         -4         -141         -45</td></t<>	-1         -56         -114         -40         -60         -89         -103         -131         60           233         95         54         -40         121         -168         -200         -167         -60           -53         49         91         -11         -21         30         -16         11         -39           56         -76         -30         -11         98         -9         81         17         135           -198         36         -56         -92         -92         176         61         113         110           41         219         259         -179         225         -49         42         61         2           15         108         74         -77         118         -9         197         42         -80           10         9         -24         -121         -1         109         23         91         165           -63         -63         -99         84         -78         17         -142         -4         -141           -84         9         -13         92         -92         30         -26         -56         4	-1         -56         -114         -40         -60         -89         -103         -131         60         -104           233         95         54         -40         121         -168         -200         -167         -60         -40           -53         49         91         -11         -21         30         -16         11         -39         -69           56         -76         -30         -11         98         -9         81         17         135         119           -198         36         -56         -92         -92         176         61         113         110         178           41         219         259         -179         225         -49         42         61         2         75           15         108         74         -77         118         -9         197         42         -80         -107           10         9         -24         -121         -1         109         23         91         165         116           -63         -63         -99         84         -78         17         -142         -4         -141         -45

## **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)