

## 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 | -18  | 9         | -1     | 8           |
| Bay City Brawlers   | -41  | 12        | -30    | 12          |
| Brook Bombers       | -11  | 7         | -1     | 7           |
| Call of Baseball    | -40  | 11        | -26    | 11          |
| CRYOGENIC TEDS      | 26   | 4         | 43     | 4           |
| Danks for Nothin`   | -17  | 8         | -4     | 9           |
| jax suns            | -42  | 13        | -34    | 13          |
| KGG 2013            | 132  | 1         | 140    | 1           |
| Killer Maltese      | 11   | 5         | 23     | 6           |
| Naperville Critters | 8    | 6         | 25     | 5           |
| Plano Tiburon       | -64  | 14        | -49    | 14          |
| The Flying Penguins | -22  | 10        | -8     | 10          |
| The Hills Have RBIs | 46   | 2         | 61     | 2           |
| Vatican City Popes  | 33   | 3         | 49     | 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 | 74     | 3           | -37   | 8          | -136  | 13         |
| Bay City Brawlers   | -25    | 9           | -76   | 12         | -53   | 10         |
| Brook Bombers       | 32     | 6           | -66   | 11         | -99   | 12         |
| Call of Baseball    | -129   | 14          | 113   | 3          | -154  | 14         |
| CRYOGENIC TEDS      | -62    | 10          | 157   | 1          | 118   | 3          |
| Danks for Nothin`   | -14    | 8           | 31    | 5          | 8     | 8          |
| jax suns            | -80    | 11          | -3    | 6          | -81   | 11         |
| KGG 2013            | 141    | 1           | 94    | 4          | 133   | 1          |
| Killer Maltese      | -88    | 12          | 152   | 2          | 28    | 6          |
| Naperville Critters | 8      | 7           | -22   | 7          | 131   | 2          |
| Plano Tiburon       | -90    | 13          | -66   | 10         | 26    | 7          |
| The Flying Penguins | 63     | 4           | -131  | 14         | -48   | 9          |
| The Hills Have RBIs | 132    | 2           | -56   | 9          | 51    | 5          |
| Vatican City Popes  | 39     | 5           | -89   | 13         | 78    | 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 | 23   | -25  | 239  | -170 | 60   | -145 | 38   | -127 | -4   | -70  | -18  |
| Bay City Brawlers   | -77  | -25  | 37   | 9    | -35  | -53  | -58  | -54  | -134 | -18  | -41  |
| Brook Bombers       | 118  | -25  | -53  | 99   | 90   | -95  | -10  | -104 | -28  | -105 | -11  |
| Call of Baseball    | -161 | -70  | -122 | 99   | -164 | -161 | 104  | -146 | 49   | 176  | -40  |
| CRYOGENIC TEDS      | -51  | -42  | -42  | -131 | -114 | 64   | 86   | 172  | 159  | 156  | 26   |
| Danks for Nothin`   | -99  | 98   | -14  | -52  | -42  | -3   | -136 | 18   | 10   | 51   | -17  |
| jax suns            | -27  | -98  | -83  | 76   | -112 | -86  | -4   | -76  | -13  | 7    | -42  |
| KGG 2013            | 185  | 154  | 54   | 177  | 172  | 130  | 121  | 135  | 102  | 86   | 132  |
| Killer Maltese      | -106 | -81  | -79  | 15   | -87  | 14   | 86   | 41   | 190  | 114  | 11   |
| Naperville Critters | -20  | 36   | -16  | -142 | 32   | 155  | -28  | 106  | -7   | -37  | 8    |
| Plano Tiburon       | 4    | -199 | -124 | -41  | -41  | 47   | -154 | 4    | -48  | -84  | -64  |
| The Flying Penguins | 30   | 53   | 56   | -8   | 114  | -20  | -106 | -76  | -145 | -117 | -22  |
| The Hills Have RBIs | 152  | 154  | 129  | 26   | 94   | 30   | -88  | 72   | -16  | -95  | 46   |
| Vatican City Popes  | 30   | 70   | 20   | 43   | 35   | 122  | 151  | 33   | -115 | -63  | 33   |

## **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)