# 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 | -57 | 14 | | -89 | 12 | | -28 | 8 |
| Boston Poindexters | 10 | 5 | | 104 | 2 | | -49 | 10 |
| CRYOGENIC TEDS | -42 | 12 | | -47 | 10 | | -57 | 12 |
| KGG Baseball 2018 | -1 | 8 | | -51 | 11 | | 42 | 5 |
| Killer Maltese | 81 | 1 | | 61 | 3 | | 133 | 1 |
| Naperville Meerkats | 71 | 2 | | 152 | 1 | | 44 | 4 |
| Notorious BE AR D | 29 | 3 | | 34 | 5 | | 41 | 7 |
| Plano Tiburon | 11 | 4 | | -17 | 8 | | 62 | 2 |
| PTBNL | -25 | 11 | | 12 | 6 | | -86 | 13 |
| RBI's all day | 1 | 7 | | 55 | 4 | | -42 | 9 |
| San Antonio Kindness | 2 | 6 | | -95 | 13 | | 41 | 6 |
| Southern Rockets | -23 | 10 | | -23 | 9 | | -52 | 11 |
| Thomas's Okay Team | -14 | 9 | | -95 | 14 | | 45 | 3 |
| Vatican City Popes | -44 | 13 | | -0 | 7 | | -94 | 14 |

| | | |
|---|---|---|
| **Week** | **5** | |

## 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 | -49 | 14 | | 34 | 7 | | -69 | 12 |
| Boston Poindexters | 23 | 5 | | 1 | 9 | | -83 | 13 |
| CRYOGENIC TEDS | -29 | 13 | | -94 | 11 | | -32 | 9 |
| KGG Baseball 2018 | 15 | 7 | | 108 | 2 | | -2 | 7 |
| Killer Maltese | 101 | 1 | | 131 | 1 | | 135 | 1 |
| Naperville Meerkats | 92 | 2 | | 71 | 4 | | 26 | 6 |
| Notorious BE AR D | 43 | 3 | | -95 | 12 | | 132 | 2 |
| Plano Tiburon | 27 | 4 | | 82 | 3 | | 48 | 4 |
| PTBNL | -9 | 11 | | -113 | 13 | | -68 | 11 |
| RBI's all day | 12 | 8 | | -33 | 10 | | -49 | 10 |
| San Antonio Kindness | 21 | 6 | | 18 | 8 | | 57 | 3 |
| Southern Rockets | -2 | 10 | | 34 | 6 | | -109 | 14 |
| Thomas's Okay Team | 1 | 9 | | 59 | 5 | | 36 | 5 |
| Vatican City Popes | -24 | 12 | | -203 | 14 | | -21 | 8 |

## 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 | -105 | -62 | -125 | -70 | -64 | 2 | -92 | -116 | 90 | -22 | -57 |
| Boston Poindexters | 238 | 26 | 48 | -70 | 103 | -45 | -92 | -111 | 10 | -8 | 10 |
| CRYOGENIC TEDS | -152 | -12 | 7 | 57 | -33 | -45 | -38 | -14 | -58 | -129 | -42 |
| KGG Baseball 2018 | -143 | -62 | -18 | -19 | 19 | -22 | 42 | -26 | 107 | 109 | -1 |
| Killer Maltese | -29 | 114 | 114 | -95 | 44 | 235 | 42 | 127 | 100 | 162 | 81 |
| Naperville Meerkats | 29 | 114 | 237 | -120 | 228 | -45 | 96 | 27 | 73 | 68 | 71 |
| Notorious BE AR D | -48 | 114 | 2 | -57 | 68 | 118 | 231 | 46 | -84 | -105 | 29 |
| Plano Tiburon | 29 | 64 | -69 | -133 | -92 | 72 | -12 | 85 | 80 | 84 | 11 |
| PTBNL | 57 | 26 | -90 | 133 | 54 | -22 | -173 | -10 | -156 | -71 | -25 |
| RBI's all day | -10 | 139 | 58 | 6 | 30 | 25 | -92 | -78 | 1 | -68 | 1 |
| San Antonio Kindness | -19 | -150 | -44 | 196 | -165 | -22 | 69 | 123 | 0 | 35 | 2 |
| Southern Rockets | 67 | -112 | -23 | 120 | -22 | -162 | 42 | -209 | -3 | 71 | -23 |
| Thomas's Okay Team | 10 | -138 | -146 | 19 | -106 | 48 | -12 | 71 | 62 | 55 | -14 |
| Vatican City Popes | 76 | -62 | 48 | 32 | -64 | -138 | -12 | 85 | -224 | -181 | -44 |

## 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)