# 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 | -41 | 13 | | 45 | 6 | | -105 | 14 |
| Boston Poindexters | 68 | 1 | | 31 | 7 | | 93 | 1 |
| CRYOGENIC TEDS | 25 | 5 | | 97 | 2 | | 1 | 7 |
| KGG Baseball 2019 | -6 | 8 | | -24 | 8 | | -5 | 9 |
| Killer Maltese | 13 | 6 | | 86 | 3 | | -17 | 12 |
| Killer Rabbits | -30 | 11 | | -62 | 10 | | -33 | 13 |
| Naperville Jellyfish | 42 | 3 | | 139 | 1 | | -16 | 11 |
| Notorious BE AR D | -21 | 9 | | -27 | 9 | | -4 | 8 |
| Plano Tiburon | -26 | 10 | | -76 | 12 | | 19 | 3 |
| PTBNL | -40 | 12 | | -134 | 13 | | 16 | 5 |
| RBI's all day | -69 | 14 | | -135 | 14 | | -16 | 10 |
| SATX Elephants | 0 | 7 | | -68 | 11 | | 38 | 2 |
| Southern Rockets | 52 | 2 | | 58 | 5 | | 18 | 4 |
| Vatican City Popes | 33 | 4 | | 72 | 4 | | 11 | 6 |

| | | |
|---|---|---|
| **Week** | **19** | |

## 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 | -19 | 11 | | -55 | 10 | | -139 | 14 |
| Boston Poindexters | 87 | 1 | | 259 | 1 | | -17 | 11 |
| CRYOGENIC TEDS | 44 | 5 | | -26 | 8 | | 19 | 5 |
| KGG Baseball 2019 | 2 | 8 | | -25 | 7 | | 9 | 8 |
| Killer Maltese | 28 | 6 | | -46 | 9 | | 2 | 9 |
| Killer Rabbits | -23 | 12 | | -12 | 6 | | -47 | 12 |
| Naperville Meerkats | 70 | 2 | | -92 | 14 | | 35 | 3 |
| Notorious BE AR D | -14 | 10 | | -1 | 5 | | -6 | 10 |
| Plano Tiburon | -10 | 9 | | 29 | 4 | | 12 | 7 |
| PTBNL | -27 | 13 | | -69 | 13 | | 72 | 1 |
| RBI's all day | -59 | 14 | | -67 | 12 | | 19 | 6 |
| SATX Elephants | 14 | 7 | | 49 | 3 | | 31 | 4 |
| Southern Rockets | 68 | 3 | | 121 | 2 | | -51 | 13 |
| Vatican City Popes | 46 | 4 | | -65 | 11 | | 62 | 2 |

# 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 | 114 | 29 | 23 | -61 | 12 | -180 | 2 | -240 | -6 | -103 | -41 |
| Boston Poindexters | 164 | -7 | -49 | 85 | 18 | 36 | -108 | 21 | 260 | 257 | 68 |
| CRYOGENIC TEDS | 28 | 123 | 133 | -140 | 103 | 105 | -19 | -27 | 25 | -77 | 25 |
| KGG Baseball 2019 | -78 | 44 | 4 | 56 | -65 | 27 | 23 | -25 | 7 | -56 | -6 |
| Killer Maltese | 31 | 137 | 67 | -129 | 108 | -85 | 154 | -64 | -86 | -7 | 13 |
| Killer Rabbits | -13 | -93 | -58 | 113 | -86 | -85 | 39 | -94 | -64 | 40 | -30 |
| Naperville Meerkats | 71 | 152 | 201 | -56 | 132 | 191 | -213 | 127 | -135 | -50 | 42 |
| Notorious BE AR D | -31 | -18 | -23 | -84 | -37 | -25 | -24 | 31 | 39 | -41 | -21 |
| Plano Tiburon | -164 | -47 | -56 | -44 | -38 | -76 | 65 | 47 | -13 | 71 | -26 |
| PTBNL | -137 | -122 | -128 | 62 | -150 | -42 | 181 | 78 | -63 | -76 | -40 |
| RBI's all day | -133 | -104 | -159 | -73 | -144 | 105 | -87 | 38 | -69 | -66 | -69 |
| SATX Elephants | 18 | -126 | -86 | 85 | -79 | 36 | -24 | 81 | 22 | 77 | 0 |
| Southern Rockets | 108 | -75 | 69 | 197 | 128 | -85 | 28 | -96 | 135 | 107 | 52 |
| Vatican City Popes | 21 | 108 | 61 | -11 | 99 | 79 | -19 | 125 | -53 | -77 | 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)