## 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 | -38 | 9 | | -75 | 11 | | -0 | 9 |
| Boston Poindexters | -112 | 14 | | -15 | 7 | | -197 | 14 |
| CRYOGENIC TEDS | 27 | 6 | | 50 | 5 | | 28 | 6 |
| KGG Baseball 2016 | 23 | 7 | | -57 | 10 | | 71 | 1 |
| Killer Maltese | -8 | 8 | | -28 | 9 | | 22 | 7 |
| Luis's Legit Team | -41 | 10 | | -19 | 8 | | -53 | 12 |
| Naperville Flowers | 107 | 1 | | 213 | 1 | | 53 | 5 |
| Notorious BE AR D | 63 | 3 | | 81 | 3 | | 55 | 4 |
| People of Plainfield | -62 | 12 | | -105 | 14 | | -48 | 11 |
| Plano Tiburon | 31 | 5 | | -7 | 6 | | 62 | 3 |
| RBI's all day | -47 | 11 | | -102 | 13 | | -16 | 10 |
| The Savannah Bannana | 63 | 2 | | 94 | 2 | | 67 | 2 |
| Thomas's Okay Team | -65 | 13 | | -81 | 12 | | -64 | 13 |
| Vatican City Popes | 60 | 4 | | 53 | 4 | | 21 | 8 |

| | |
|---|---|
| **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 | -28 | 10 | | 75 | 2 | | -51 | 10 |
| Boston Poindexters | -89 | 14 | | -308 | 14 | | -123 | 13 |
| CRYOGENIC TEDS | 37 | 6 | | -6 | 9 | | 50 | 5 |
| KGG Baseball 2016 | 34 | 7 | | 39 | 6 | | 92 | 2 |
| Killer Maltese | -1 | 8 | | -8 | 10 | | 42 | 7 |
| Luis's Legit Team | -27 | 9 | | 32 | 7 | | -110 | 11 |
| Naperville Flowers | 124 | 1 | | 41 | 5 | | 61 | 3 |
| Notorious BE AR D | 66 | 4 | | 68 | 3 | | 46 | 6 |
| People of Plainfield | -52 | 12 | | 87 | 1 | | -138 | 14 |
| Plano Tiburon | 38 | 5 | | 67 | 4 | | 59 | 4 |
| RBI's all day | -38 | 11 | | -52 | 13 | | 8 | 9 |
| The Savannah Bannana | 79 | 2 | | -43 | 12 | | 140 | 1 |
| Thomas's Okay Team | -58 | 13 | | 15 | 8 | | -116 | 12 |
| Vatican City Popes | 75 | 3 | | -9 | 11 | | 40 | 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 | -128 | -40 | -72 | -74 | -61 | -31 | -77 | -44 | 55 | 96 | -38 |
| Boston Poindexters | -73 | 46 | -8 | -71 | -27 | -191 | -9 | -170 | -300 | -316 | -112 |
| CRYOGENIC TEDS | 65 | 29 | 71 | -68 | 34 | 106 | -38 | 82 | -14 | 2 | 27 |
| KGG Baseball 2016 | -41 | -70 | -80 | 100 | -34 | -1 | 183 | 94 | 63 | 16 | 23 |
| Killer Maltese | -13 | 25 | -53 | -77 | -73 | 7 | 94 | 25 | -2 | -14 | -8 |
| Luis's Legit Team | -109 | 42 | 5 | -65 | -16 | -61 | -162 | -107 | 6 | 59 | -41 |
| Naperville Flowers | 160 | 237 | 260 | -48 | 194 | 76 | 4 | 104 | 71 | 11 | 107 |
| Notorious BE AR D | 48 | 59 | 123 | 29 | 92 | 45 | 34 | 58 | 66 | 71 | 63 |
| People of Plainfield | -98 | -101 | -88 | 38 | -134 | -153 | -124 | -138 | 94 | 81 | -62 |
| Plano Tiburon | 37 | -33 | -14 | 23 | -16 | 53 | 94 | 29 | 79 | 55 | 31 |
| RBI's all day | -32 | -128 | -127 | 18 | -120 | -1 | 9 | 17 | -60 | -44 | -47 |
| The Savannah Bannana | 107 | 117 | 42 | -80 | 111 | 175 | 115 | 129 | -63 | -23 | 63 |
| Thomas's Okay Team | -96 | -108 | -34 | -12 | -87 | -92 | -124 | -132 | 18 | 12 | -65 |
| Vatican City Popes | 173 | -74 | -25 | 287 | 137 | 68 | 0 | 53 | -12 | -5 | 60 |

## 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)