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.

| Run | Hr | Rbi | Sb | Tb | W | Sv | K | Era | Whip | NIPR |
|------|--|--|---|---|---|---|---|---|--|--|
| 114 | 29 | 23 | -61 | 12 | -180 | 2 | -240 | -6 | -103 | -41 |
| 164 | -7 | -49 | 85 | 18 | 36 | -108 | 21 | 260 | 257 | 68 |
| 28 | 123 | 133 | -140 | 103 | 105 | -19 | -27 | 25 | -77 | 25 |
| -78 | 44 | 4 | 56 | -65 | 27 | 23 | -25 | 7 | -56 | -6 |
| 31 | 137 | 67 | -129 | 108 | -85 | 154 | -64 | -86 | -7 | 13 |
| -13 | -93 | -58 | 113 | -86 | -85 | 39 | -94 | -64 | 40 | -30 |
| 71 | 152 | 201 | -56 | 132 | 191 | -213 | 127 | -135 | -50 | 42 |
| -31 | -18 | -23 | -84 | -37 | -25 | -24 | 31 | 39 | -41 | -21 |
| -164 | -47 | -56 | -44 | -38 | -76 | 65 | 47 | -13 | 71 | -26 |
| -137 | -122 | -128 | 62 | -150 | -42 | 181 | 78 | -63 | -76 | -40 |
| -133 | -104 | -159 | -73 | -144 | 105 | -87 | 38 | -69 | -66 | -69 |
| 18 | -126 | -86 | 85 | -79 | 36 | -24 | 81 | 22 | 77 | 0 |
| 108 | -75 | 69 | 197 | 128 | -85 | 28 | -96 | 135 | 107 | 52 |
| 21 | 108 | 61 | -11 | 99 | 79 | -19 | 125 | -53 | -77 | 33 |
| | 114 164 28 -78 31 -13 71 -31 -164 -137 -133 18 108 | 114 29 164 -7 28 123 -78 44 31 137 -13 -93 71 152 -31 -18 -164 -47 -137 -122 -133 -104 18 -126 108 -75 | 114 29 23 164 -7 -49 28 123 133 -78 44 4 31 137 67 -13 -93 -58 71 152 201 -31 -18 -23 -164 -47 -56 -137 -122 -128 -133 -104 -159 18 -126 -86 108 -75 69 | 114 29 23 -61 164 -7 -49 85 28 123 133 -140 -78 44 4 56 31 137 67 -129 -13 -93 -58 113 71 152 201 -56 -31 -18 -23 -84 -164 -47 -56 -44 -137 -122 -128 62 -133 -104 -159 -73 18 -126 -86 85 108 -75 69 197 | 114 29 23 -61 12 164 -7 -49 85 18 28 123 133 -140 103 -78 44 4 56 -65 31 137 67 -129 108 -13 -93 -58 113 -86 71 152 201 -56 132 -31 -18 -23 -84 -37 -164 -47 -56 -44 -38 -137 -122 -128 62 -150 -133 -104 -159 -73 -144 18 -126 -86 85 -79 108 -75 69 197 128 | 114 29 23 -61 12 -180 164 -7 -49 85 18 36 28 123 133 -140 103 105 -78 44 4 56 -65 27 31 137 67 -129 108 -85 -13 -93 -58 113 -86 -85 71 152 201 -56 132 191 -31 -18 -23 -84 -37 -25 -164 -47 -56 -44 -38 -76 -137 -122 -128 62 -150 -42 -133 -104 -159 -73 -144 105 18 -126 -86 85 -79 36 108 -75 69 197 128 -85 | 114 29 23 -61 12 -180 2 164 -7 -49 85 18 36 -108 28 123 133 -140 103 105 -19 -78 44 4 56 -65 27 23 31 137 67 -129 108 -85 154 -13 -93 -58 113 -86 -85 39 71 152 201 -56 132 191 -213 -31 -18 -23 -84 -37 -25 -24 -164 -47 -56 -44 -38 -76 65 -137 -122 -128 62 -150 -42 181 -133 -104 -159 -73 -144 105 -87 18 -126 -86 85 -79 36 -24 108 -75 69 197 128 -85 28 | 114 29 23 -61 12 -180 2 -240 164 -7 -49 85 18 36 -108 21 28 123 133 -140 103 105 -19 -27 -78 44 4 56 -65 27 23 -25 31 137 67 -129 108 -85 154 -64 -13 -93 -58 113 -86 -85 39 -94 71 152 201 -56 132 191 -213 127 -31 -18 -23 -84 -37 -25 -24 31 -164 -47 -56 -44 -38 -76 65 47 -137 -122 -128 62 -150 -42 181 78 -133 -104 -159 -73 -144 105 -87 38 18 -126 -86 85 -79 36 -24 81 <td>114 29 23 -61 12 -180 2 -240 -6 164 -7 -49 85 18 36 -108 21 260 28 123 133 -140 103 105 -19 -27 25 -78 44 4 56 -65 27 23 -25 7 31 137 67 -129 108 -85 154 -64 -86 -13 -93 -58 113 -86 -85 39 -94 -64 71 152 201 -56 132 191 -213 127 -135 -31 -18 -23 -84 -37 -25 -24 31 39 -164 -47 -56 -44 -38 -76 65 47 -13 -137 -122 -128 62 -150 -42 181 78 -63 -133 -104 -159 -73 -144 105 -87 <</td> <td>114 29 23 -61 12 -180 2 -240 -6 -103 164 -7 -49 85 18 36 -108 21 260 257 28 123 133 -140 103 105 -19 -27 25 -77 -78 44 4 56 -65 27 23 -25 7 -56 31 137 67 -129 108 -85 154 -64 -86 -7 -13 -93 -58 113 -86 -85 39 -94 -64 40 71 152 201 -56 132 191 -213 127 -135 -50 -31 -18 -23 -84 -37 -25 -24 31 39 -41 -164 -47 -56 -44 -38 -76 65 47 -13 71 -137 -122 -128 62 -150 -42 181 78 -63</td> | 114 29 23 -61 12 -180 2 -240 -6 164 -7 -49 85 18 36 -108 21 260 28 123 133 -140 103 105 -19 -27 25 -78 44 4 56 -65 27 23 -25 7 31 137 67 -129 108 -85 154 -64 -86 -13 -93 -58 113 -86 -85 39 -94 -64 71 152 201 -56 132 191 -213 127 -135 -31 -18 -23 -84 -37 -25 -24 31 39 -164 -47 -56 -44 -38 -76 65 47 -13 -137 -122 -128 62 -150 -42 181 78 -63 -133 -104 -159 -73 -144 105 -87 < | 114 29 23 -61 12 -180 2 -240 -6 -103 164 -7 -49 85 18 36 -108 21 260 257 28 123 133 -140 103 105 -19 -27 25 -77 -78 44 4 56 -65 27 23 -25 7 -56 31 137 67 -129 108 -85 154 -64 -86 -7 -13 -93 -58 113 -86 -85 39 -94 -64 40 71 152 201 -56 132 191 -213 127 -135 -50 -31 -18 -23 -84 -37 -25 -24 31 39 -41 -164 -47 -56 -44 -38 -76 65 47 -13 71 -137 -122 -128 62 -150 -42 181 78 -63 |

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)