

R Notebook

```
library(tidyr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
## filter, lag
```

```
## The following objects are masked from 'package:base':
##
## intersect, setdiff, setequal, union
```

```
library(stringr)
library(ggplot2)
library(reticulate)
```

```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
```

```
df = read.csv("~/Downloads/DEV _ March Madness.csv")
```

```
head(df)
```

```
## Season Short.Conference.Name Adjusted.Temo Adjusted.Tempo.Rank Raw.Tempo
## 1 2025 ACC 65.9 256 66.7
## 2 2015 SEC 62.4 274 63.8
## 3 2021 WCC 73.8 7 74.3
## 4 2024 BE 64.6 330 66.0
## 5 2025 SEC 67.8 147 69.1
## 6 2025 B12 61.4 360 62.3
## Raw.Tempo.Rank Adjusted.Offensive.Efficiency
## 1 253 128.1
## 2 242 121.3
## 3 14 126.4
## 4 305 127.5
## 5 121 128.8
## 6 360 123.6
## Adjusted.Offensive.Efficiency.Rank Raw.Offensive.Efficiency
## 1 2 124.6
## 2 6 115.5
## 3 1 121.9
## 4 1 123.0
## 5 1 121.5
## 6 10 117.1
## Raw.Offensive.Efficiency.Rank Adjusted.Defensive.Efficiency
## 1 1 90.1
## 2 9 84.4
## 3 1 89.9
## 4 1 91.1
## 5 2 93.2
## 6 16 88.2
## Adjusted.Defensive.Efficiency.Rank Raw.Defensive.Efficiency
## 1 4 92.9
## 2 1 84.7
## 3 11 93.4
## 4 4 96.4
## 5 12 100.4
## 6 2 91.8
## Raw.Defensive.Efficiency.Rank Avg.Possession.Length..Offense.
## 1 3 17.0
## 2 1 17.7
## 3 17 14.4
## 4 9 18.6
## 5 49 17.2
```

| | | | | | | | | | |
|----|--------------------------------------|--------------|-----------------|--------------|--------------------------------------|--------------|--------------|-----------|----|
| ## | 1 | | | | 19.4 | | | | |
| ## | Avg.Possession.Length..Offense..Rank | | | | Avg.Possession.Length..Defense..Rank | | | | |
| ## | 1 | 97 | | | | 19.1 | | | |
| ## | 2 | 98 | | | | 19.6 | | | |
| ## | 3 | 3 | | | | 18.0 | | | |
| ## | 4 | 305 | | | | 17.5 | | | |
| ## | 5 | 123 | | | | 17.7 | | | |
| ## | 6 | 342 | | | | 18.8 | | | |
| ## | Avg.Possession.Length..Defense..Rank | | | | eFGPct | RankeFGPct | TOPct | RankTOPct | |
| ## | 1 | 363 | | | | 57.44898 | 5 | 14.36282 | 18 |
| ## | 2 | 327 | | | | 51.51160 | 75 | 16.25290 | 32 |
| ## | 3 | 299 | | | | 61.01781 | 1 | 16.12793 | 40 |
| ## | 4 | 183 | | | | 56.90748 | 7 | 14.49968 | 36 |
| ## | 5 | 197 | | | | 55.94636 | 23 | 13.46983 | 7 |
| ## | 6 | 358 | | | | 52.76058 | 89 | 14.69939 | 25 |
| ## | ORPct | RankORPct | FTRate | RankFTRate | OffFT | RankOffFT | Off2PtFG | | |
| ## | 1 | 35.42260 | 32 | 31.68367 | 207 | 17.78021 | 257 | 45.63709 | |
| ## | 2 | 39.50120 | 8 | 43.86050 | 31 | 23.62070 | 45 | 55.37930 | |
| ## | 3 | 30.07064 | 102 | 35.72519 | 66 | 17.62281 | 214 | 57.64342 | |
| ## | 4 | 36.69797 | 12 | 31.93916 | 202 | 17.26044 | 270 | 51.41278 | |
| ## | 5 | 34.59062 | 44 | 33.35020 | 170 | 18.17172 | 231 | 48.85270 | |
| ## | 6 | 36.49374 | 13 | 28.43137 | 315 | 16.56467 | 310 | 50.99959 | |
| ## | RankOff2PtFG | Off3PtFG | RankOff3PtFG | DefFT | RankDefFT | Def2PtFG | RankDef2PtFG | | |
| ## | 1 | 300 | 36.58269 | 59 | 17.22956 | 287 | 50.02447 | 167 | |
| ## | 2 | 54 | 21.00000 | 326 | 20.91600 | 161 | 54.29650 | 57 | |
| ## | 3 | 26 | 24.73377 | 312 | 15.91928 | 287 | 54.88789 | 45 | |
| ## | 4 | 153 | 31.32678 | 149 | 20.26814 | 110 | 52.05047 | 124 | |
| ## | 5 | 197 | 32.97557 | 131 | 23.48451 | 15 | 51.18994 | 115 | |
| ## | 6 | 133 | 32.43574 | 152 | 21.46570 | 51 | 43.13929 | 347 | |
| ## | Def3PtFG | RankDef3PtFG | Tempo | RankTempo | AdjTempo | RankAdjTempo | OE | RankOE | |
| ## | 1 | 32.74596 | 127 | 66.6705 | 253 | 66.0774 | 256 | 124.568 | 1 |
| ## | 2 | 24.78750 | 301 | 63.7517 | 242 | 62.4233 | 274 | 115.452 | 9 |
| ## | 3 | 29.19283 | 227 | 74.3411 | 14 | 73.7515 | 7 | 121.917 | 1 |
| ## | 4 | 27.68139 | 277 | 66.0359 | 305 | 64.6331 | 330 | 123.036 | 1 |
| ## | 5 | 25.32555 | 348 | 69.0824 | 122 | 67.8881 | 147 | 121.500 | 2 |
| ## | 6 | 35.39501 | 49 | 62.3037 | 360 | 61.5377 | 360 | 117.137 | 16 |
| ## | AdjOE | RankAdjOE | DE | RankDE | AdjDE | RankAdjDE | AdjEM | RankAdjEM | |
| ## | 1 | 128.100 | 2 | 92.9295 | 3 | 90.0132 | 4 | 38.0870 | 1 |
| ## | 2 | 121.305 | 6 | 84.6617 | 1 | 84.3933 | 1 | 36.9118 | 1 |
| ## | 3 | 126.433 | 1 | 93.4015 | 17 | 89.9493 | 11 | 36.4833 | 1 |
| ## | 4 | 127.524 | 1 | 96.3938 | 9 | 91.0982 | 4 | 36.4262 | 1 |
| ## | 5 | 128.734 | 1 | 100.4000 | 49 | 93.1660 | 12 | 35.5678 | 2 |
| ## | 6 | 123.506 | 10 | 91.7694 | 1 | 88.1109 | 2 | 35.3956 | 3 |
| ## | FG2Pct | RankFG2Pct | FG3Pct | RankFG3Pct | FTPct | RankFTPct | BlockPct | | |
| ## | 1 | 58.13953 | 8 | 37.74011 | 20 | 78.42190 | 18 | 10.499577 | |
| ## | 2 | 51.21170 | 53 | 34.87970 | 145 | 72.64050 | 59 | 18.163300 | |
| ## | 3 | 63.89947 | 1 | 36.80982 | 45 | 73.07692 | 97 | 6.907137 | |
| ## | 4 | 59.11017 | 4 | 35.75184 | 72 | 74.33862 | 84 | 14.192283 | |
| ## | 5 | 56.26598 | 30 | 36.98630 | 35 | 74.50683 | 101 | 16.584158 | |
| ## | 6 | 49.13522 | 261 | 39.78979 | 4 | 73.68421 | 123 | 16.159496 | |
| ## | RankBlockPct | OppFG2Pct | RankOppFG2Pct | OppFG3Pct | RankOppFG3Pct | OppFTPct | | | |
| ## | 1 | 110 | 43.26842 | 3 | 31.01530 | 39 | 71.98364 | | |
| ## | 2 | 2 | 39.11560 | 2 | 27.08980 | 1 | 66.02090 | | |
| ## | 3 | 262 | 46.96853 | 76 | 32.73002 | 112 | 70.29703 | | |
| ## | 4 | 13 | 43.16547 | 4 | 31.24166 | 37 | 72.49647 | | |
| ## | 5 | 4 | 47.02970 | 40 | 29.28349 | 5 | 72.73992 | | |
| ## | 6 | 6 | 43.54669 | 4 | 30.96862 | 36 | 70.84048 | | |
| ## | RankOppFTPct | OppBlockPct | RankOppBlockPct | FG3Rate | RankFG3Rate | OppFG3Rate | | | |
| ## | 1 | 174 | 9.674419 | 214 | 45.15306 | 55 | 37.84211 | | |
| ## | 2 | 28 | 5.994900 | 3 | 27.06980 | 325 | 30.52930 | | |
| ## | 3 | 143 | 6.778370 | 26 | 33.18066 | 275 | 33.72330 | | |
| ## | 4 | 221 | 8.333333 | 102 | 40.17744 | 103 | 32.87972 | | |
| ## | 5 | 222 | 7.502131 | 34 | 40.63765 | 138 | 34.62783 | | |
| ## | 6 | 117 | 6.525157 | 6 | 34.36533 | 296 | 43.47568 | | |
| ## | RankOppFG3Rate | ARate | RankARate | OppARate | RankOppARate | StlRate | | | |
| ## | 1 | 142 | 58.28989 | 50 | 51.63488 | 181 | 0.10453951 | | |
| ## | 2 | 71 | 54.97020 | 136 | 40.13330 | 2 | 0.10080000 | | |
| ## | 3 | 67 | 55.60704 | 79 | 45.47648 | 47 | 0.10640248 | | |
| ## | 4 | 44 | 63.55140 | 5 | 44.74273 | 41 | 0.09313111 | | |
| ## | 5 | 46 | 55.48589 | 93 | 40.36939 | 7 | 0.10091113 | | |
| ## | 6 | 315 | 44.94382 | 329 | 56.23053 | 289 | 0.12694928 | | |
| ## | RankStlRate | OppStlRate | RankOppStlRate | DFP | NStRate | RankNStRate | OppNStRate | | |
| ## | 1 | 113 | 0.08135901 | 26 | NA | 6.226919 | 43 | 7.272314 | |
| ## | 2 | 107 | 0.07250000 | 12 | NA | NA | NA | NA | |
| ## | 3 | 57 | 0.08168694 | 90 | NA | 7.959240 | 33 | 8.671383 | |
| ## | 4 | 172 | 0.08101649 | 54 | NA | 6.398031 | 46 | 6.700897 | |
| ## | 5 | 142 | 0.08784674 | 86 | NA | 4.685160 | 2 | 7.298037 | |
| ## | 6 | 24 | 0.07826948 | 16 | NA | 6.872442 | 111 | 9.115531 | |
| ## | RankOppNStRate | AvgHeight | RankAvgHeight | CenterHeight | RankCenterHeight | PFHeight | | | |

| | | | | | | | | | | |
|----|---|---------------------------------|-------|----------|----------|----------------|-------|-------|-------|-------|
| ## | 1 | 212 | 79.77 | 1 | 2.67 | 10 | 1.49 | | | |
| ## | 2 | NA | 79.28 | 1 | 3.00 | 5 | 3.89 | | | |
| ## | 3 | 275 | 78.11 | 29 | 0.83 | 79 | 0.47 | | | |
| ## | 4 | 300 | 78.42 | 23 | 2.47 | 10 | 0.59 | | | |
| ## | 5 | 211 | 78.42 | 27 | 1.11 | 67 | 0.53 | | | |
| ## | 6 | 24 | 76.84 | 238 | -1.39 | 304 | 0.23 | | | |
| ## | RankPFHeight SFHeight RankSFHeight SGHeight RankSGHeight PGHeight | | | | | | | | | |
| ## | 1 | 37 | 1.46 | 30 | 2.68 | 2 | 4.52 | | | |
| ## | 2 | 1 | 2.88 | 3 | 3.30 | 2 | 0.00 | | | |
| ## | 3 | 103 | 0.69 | 88 | 1.77 | 28 | 2.21 | | | |
| ## | 4 | 105 | 0.39 | 125 | 1.16 | 49 | 1.83 | | | |
| ## | 5 | 112 | 1.44 | 31 | 2.01 | 12 | 0.98 | | | |
| ## | 6 | 141 | -0.71 | 280 | -0.19 | 204 | 0.24 | | | |
| ## | RankPGHeight EffectiveHeight RankEffectiveHeight Experience RankExperience | | | | | | | | | |
| ## | 1 | 1 | 2.08 | 10 | 1.94716 | 129 | | | | |
| ## | 2 | 183 | 6.89 | 1 | 0.73000 | 346 | | | | |
| ## | 3 | 22 | 0.65 | 82 | 1.54000 | 247 | | | | |
| ## | 4 | 39 | 1.53 | 24 | 2.43106 | 68 | | | | |
| ## | 5 | 88 | 0.82 | 75 | 2.79421 | 25 | | | | |
| ## | 6 | 165 | -0.58 | 257 | 2.64489 | 41 | | | | |
| ## | Bench BenchRank CenterPts RankCenterPts PFpts RankPFpts SFpts RankSFpts SGpts | | | | | | | | | |
| ## | 1 | 31.01 | 187 | 15.35 | 313 | 27.53 | 10 | 22.69 | 80 | 15.98 |
| ## | 2 | 39.90 | 27 | 19.66 | 147 | 23.57 | 55 | 18.78 | 250 | 22.66 |
| ## | 3 | 24.27 | 311 | 25.77 | 31 | 21.49 | 94 | 16.72 | 267 | 17.33 |
| ## | 4 | 28.14 | 242 | 22.54 | 73 | 18.97 | 214 | 20.91 | 135 | 21.40 |
| ## | 5 | 33.94 | 106 | 20.84 | 120 | 20.99 | 128 | 18.59 | 218 | 19.08 |
| ## | 6 | 29.54 | 232 | 15.39 | 312 | 18.78 | 211 | 18.83 | 212 | 21.40 |
| ## | RankSGpts PGpts RankPGpts CenterOR RankCenterOR PFOR RankPFOR SFOR RankSFOR | | | | | | | | | |
| ## | 1 | 329 | 18.42 | 235 | 49.19 | 15 | 17.94 | 326 | 10.76 | 318 |
| ## | 2 | 99 | 15.33 | 300 | 33.72 | 193 | 34.47 | 53 | 20.03 | 115 |
| ## | 3 | 270 | 18.63 | 219 | 39.47 | 116 | 19.89 | 293 | 6.54 | 338 |
| ## | 4 | 121 | 16.13 | 307 | 33.13 | 242 | 18.66 | 309 | 20.29 | 101 |
| ## | 5 | 250 | 20.49 | 160 | 45.88 | 23 | 30.35 | 97 | 12.95 | 277 |
| ## | 6 | 138 | 25.61 | 40 | 45.83 | 24 | 26.88 | 166 | 9.60 | 337 |
| ## | SGOR RankSGOR PGOR RankPGOR CenterDR RankCenterDR PFDR RankPFDR SFDR | | | | | | | | | |
| ## | 1 | 12.68 | 123 | 9.37 | 138 | 25.41 | 196 | 27.08 | 65 | 14.05 |
| ## | 2 | 5.69 | 329 | 6.08 | 259 | 27.92 | 96 | 30.08 | 17 | 18.01 |
| ## | 3 | 22.61 | 12 | 11.41 | 66 | 23.99 | 228 | 18.56 | 307 | 13.28 |
| ## | 4 | 13.83 | 99 | 14.05 | 42 | 25.88 | 175 | 17.21 | 338 | 20.98 |
| ## | 5 | 5.43 | 334 | 5.35 | 311 | 29.95 | 77 | 24.60 | 135 | 16.65 |
| ## | 6 | 13.03 | 114 | 4.66 | 332 | 26.42 | 162 | 20.80 | 263 | 17.49 |
| ## | RankSFDR SGDR RankSGDR PGDR RankPGDR Net.Rating Net.Rating.Rank | | | | | | | | | |
| ## | 1 | 345 | 19.73 | 64 | 13.70 | 213 | 38.0 | 1 | | |
| ## | 2 | 232 | 13.00 | 305 | 10.99 | 311 | 36.9 | 2 | | |
| ## | 3 | 332 | 24.63 | 12 | 19.49 | 20 | 36.5 | 3 | | |
| ## | 4 | 111 | 20.55 | 41 | 15.33 | 126 | 36.4 | 4 | | |
| ## | 5 | 270 | 16.18 | 185 | 12.60 | 273 | 35.6 | 5 | | |
| ## | 6 | 232 | 23.22 | 12 | 12.06 | 298 | 35.4 | 6 | | |
| ## | Mapped.Conference.Name Mapped.ESPN.Team.Name Current.Coach | | | | | | | | | |
| ## | 1 | Atlantic Coast Conference (ACC) | | | Duke | Jon Scheyer | | | | |
| ## | 2 | Southeastern Conference (SEC) | | | Kentucky | Mark Pope | | | | |
| ## | 3 | West Coast Conference (WCC) | | | Gonzaga | Mark Few | | | | |
| ## | 4 | Big East Conference | | | UConn | Dan Hurley | | | | |
| ## | 5 | Southeastern Conference (SEC) | | | Auburn | Bruce Pearl | | | | |
| ## | 6 | Big 12 Conference | | | Houston | Kelvin Sampson | | | | |
| ## | Full.Team.Name Since Active.Coaching.Length Active.Coaching.Length.Index | | | | | | | | | |
| ## | 1 | Duke Blue Devils 202223 | | 2 years | | 3 | | | | |
| ## | 2 | Kentucky Wildcats 202425 | | 0 years | | 1 | | | | |
| ## | 3 | Gonzaga Bulldogs 199900 | | 25 years | | 26 | | | | |
| ## | 4 | UConn Huskies 201819 | | 6 years | | 7 | | | | |
| ## | 5 | Auburn Tigers 201415 | | 10 years | | 11 | | | | |
| ## | 6 | Houston Cougars 201415 | | 10 years | | 11 | | | | |
| ## | Seed Region | | | | | | | | | |
| ## | 1 | Not In a Post-Season Tournament | | | | | | | | |
| ## | 2 | 1 Midwest | | | | | | | | |
| ## | 3 | 1 West | | | | | | | | |
| ## | 4 | 1 East | | | | | | | | |
| ## | 5 | Not In a Post-Season Tournament | | | | | | | | |
| ## | 6 | Not In a Post-Season Tournament | | | | | | | | |
| ## | Post.Season.Tournament Post.Season.Tournament.Sorting.Index | | | | | | | | | |
| ## | 1 | Not In a Post-Season Tournament | | | | | 5 | | | |
| ## | 2 | March Madness | | | | | 1 | | | |
| ## | 3 | March Madness | | | | | 1 | | | |
| ## | 4 | March Madness | | | | | 1 | | | |
| ## | 5 | Not In a Post-Season Tournament | | | | | 5 | | | |
| ## | 6 | Not In a Post-Season Tournament | | | | | 5 | | | |
| ## | Top.12.in.AP.Top.25.During.Week.6. | | | | | | | | | |
| ## | 1 | Yes | | | | | | | | |
| ## | 2 | Yes | | | | | | | | |

| | |
|------|-----|
| ## 3 | Yes |
| ## 4 | Yes |
| ## 5 | Yes |
| ## 6 | No |

```
colnames(df)
```

```
## [1] "Season"
## [2] "Short.Conference.Name"
## [3] "Adjusted.Temo"
## [4] "Adjusted.Tempo.Rank"
## [5] "Raw.Tempo"
## [6] "Raw.Tempo.Rank"
## [7] "Adjusted.Offensive.Efficiency"
## [8] "Adjusted.Offensive.Efficiency.Rank"
## [9] "Raw.Offensive.Efficiency"
## [10] "Raw.Offensive.Efficiency.Rank"
## [11] "Adjusted.Defensive.Efficiency"
## [12] "Adjusted.Defensive.Efficiency.Rank"
## [13] "Raw.Defensive.Efficiency"
## [14] "Raw.Defensive.Efficiency.Rank"
## [15] "Avg.Possession.Length..Offense."
## [16] "Avg.Possession.Length..Offense..Rank"
## [17] "Avg.Possession.Length..Defense."
## [18] "Avg.Possession.Length..Defense..Rank"
## [19] "eFGPct"
## [20] "RankeFGPct"
## [21] "T0Pct"
## [22] "RankT0Pct"
## [23] "0RPct"
## [24] "Rank0RPct"
## [25] "FTRate"
## [26] "RankFTRate"
## [27] "OffFT"
## [28] "RankOffFT"
## [29] "Off2PtFG"
## [30] "RankOff2PtFG"
## [31] "Off3PtFG"
## [32] "RankOff3PtFG"
## [33] "DefFT"
## [34] "RankDefFT"
## [35] "Def2PtFG"
## [36] "RankDef2PtFG"
## [37] "Def3PtFG"
## [38] "RankDef3PtFG"
## [39] "Tempo"
## [40] "RankTempo"
## [41] "AdjTempo"
## [42] "RankAdjTempo"
## [43] "OE"
## [44] "RankOE"
## [45] "AdjOE"
## [46] "RankAdjOE"
## [47] "DE"
## [48] "RankDE"
## [49] "AdjDE"
## [50] "RankAdjDE"
## [51] "AdjEM"
## [52] "RankAdjEM"
## [53] "FG2Pct"
## [54] "RankFG2Pct"
## [55] "FG3Pct"
## [56] "RankFG3Pct"
## [57] "FTPct"
## [58] "RankFTPct"
## [59] "BlockPct"
## [60] "RankBlockPct"
## [61] "OppFG2Pct"
## [62] "RankOppFG2Pct"
## [63] "OppFG3Pct"
## [64] "RankOppFG3Pct"
## [65] "OppFTPct"
## [66] "RankOppFTPct"
## [67] "OppBlockPct"
## [68] "RankOppBlockPct"
## [69] "FG3Rate"
## [70] "RankFG3Rate"
```

```
## [71] "OppFG3Rate"
## [72] "RankOppFG3Rate"
## [73] "ARate"
## [74] "RankARate"
## [75] "OppARate"
## [76] "RankOppARate"
## [77] "StlRate"
## [78] "RankStlRate"
## [79] "OppStlRate"
## [80] "RankOppStlRate"
## [81] "DFP"
## [82] "NSTRate"
## [83] "RankNSTRate"
## [84] "OppNSTRate"
## [85] "RankOppNSTRate"
## [86] "AvgHeight"
## [87] "RankAvgHeight"
## [88] "CenterHeight"
## [89] "RankCenterHeight"
## [90] "PFHeight"
## [91] "RankPFHeight"
## [92] "SFHeight"
## [93] "RankSFHeight"
## [94] "SGHeight"
## [95] "RankSGHeight"
## [96] "PGHeight"
## [97] "RankPGHeight"
## [98] "EffectiveHeight"
## [99] "RankEffectiveHeight"
## [100] "Experience"
## [101] "RankExperience"
## [102] "Bench"
## [103] "BenchRank"
## [104] "CenterPts"
## [105] "RankCenterPts"
## [106] "PFPts"
## [107] "RankPFPts"
## [108] "SFPts"
## [109] "RankSFPts"
## [110] "SGPts"
## [111] "RankSGPts"
## [112] "PGPts"
## [113] "RankPGPts"
## [114] "CenterOR"
## [115] "RankCenterOR"
## [116] "PFOR"
## [117] "RankPFOR"
## [118] "SFOR"
## [119] "RankSFOR"
## [120] "SGOR"
## [121] "RankSGOR"
## [122] "PGOR"
## [123] "RankPGOR"
## [124] "CenterDR"
## [125] "RankCenterDR"
## [126] "PFDR"
## [127] "RankPFDR"
## [128] "SFDR"
## [129] "RankSFDR"
## [130] "SGDR"
## [131] "RankSGDR"
## [132] "PGDR"
## [133] "RankPGDR"
## [134] "Net.Rating"
## [135] "Net.Rating.Rank"
## [136] "Mapped.Conference.Name"
## [137] "Mapped.ESPN.Team.Name"
## [138] "Current.Coach"
## [139] "Full.Team.Name"
## [140] "Since"
## [141] "Active.Coaching.Length"
## [142] "Active.Coaching.Length.Index"
## [143] "Seed"
## [144] "Region"
## [145] "Post.Season.Tournament"
## [146] "Post.Season.Tournament.Sorting.Index"
## [147] "Top.12.in.AP.Top.25.During.Week.6."
```

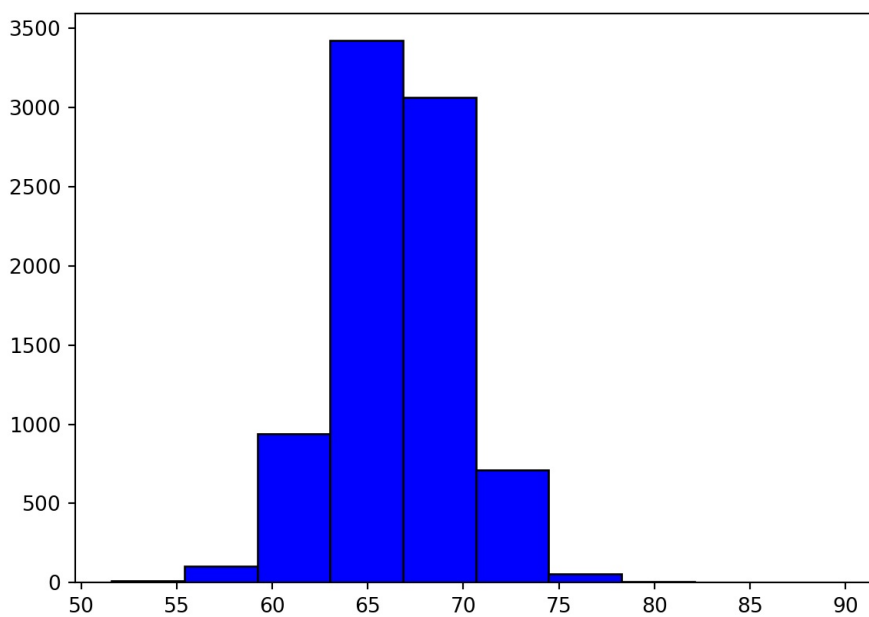
```
print(sorted(r.df.Season.unique()))
```

```
## [np.int32(2002), np.int32(2003), np.int32(2004), np.int32(2005), np.int32(2006), np.int32(2007), np.int32(2008), np.int32(2009), np.int32(2010), np.int32(2011), np.int32(2012), np.int32(2013), np.int32(2014), np.int32(2015), np.int32(2016), np.int32(2017), np.int32(2018), np.int32(2019), np.int32(2020), np.int32(2021), np.int32(2022), np.int32(2023), np.int32(2024), np.int32(2025)]
```

```
r.df['Full.Team.Name'].nunique()
```

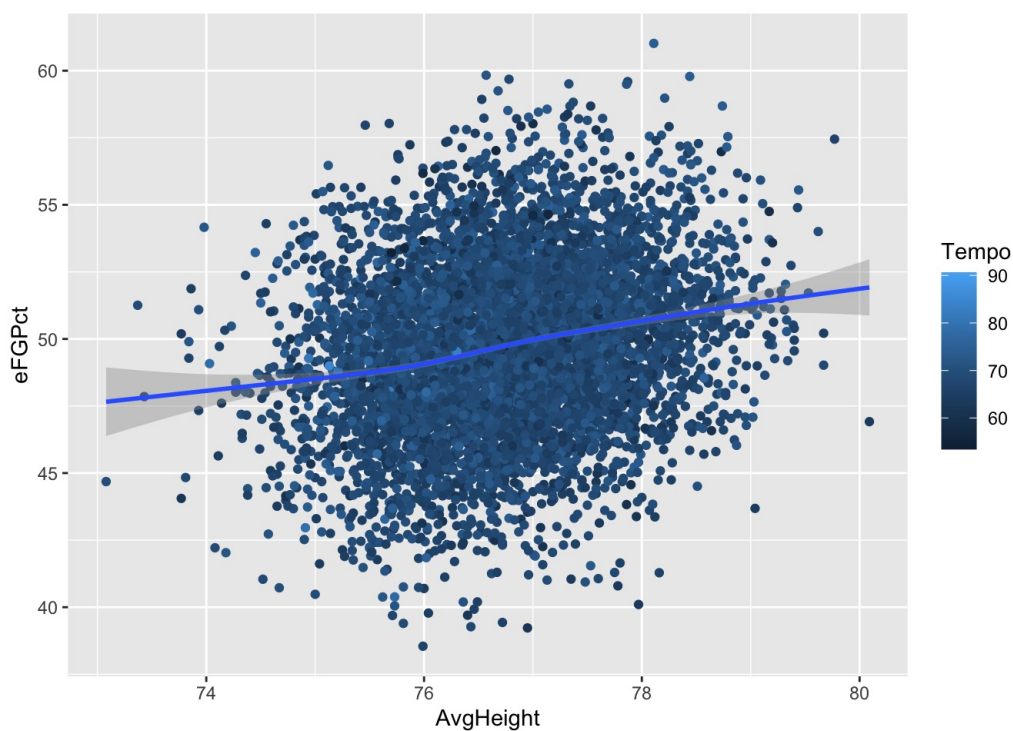
```
## 365
```

```
fig = plt.figure()
ax = fig.add_subplot()
ax.hist(r.df.AdjTempo,edgecolor='black',color='blue')
plt.show()
```



```
ggplot(df %>% filter(AvgHeight > 0), aes(x=AvgHeight,y=eFGPct)) + geom_point(aes(color=Tempo)) + geom_smooth()
```

```
## `geom_smooth()` using method = 'gam' and formula = 'y ~ s(x, bs = "cs")'
```



```
ggplot(df %>% filter(Tempo > 0) %>% group_by(Season) %>% summarise(avgTempo = mean(Tempo,na.rm=T))) + geom_line(aes(x=Season,y=avgTempo)) + geom_smooth(aes(x=Season,y=avgTempo))
```

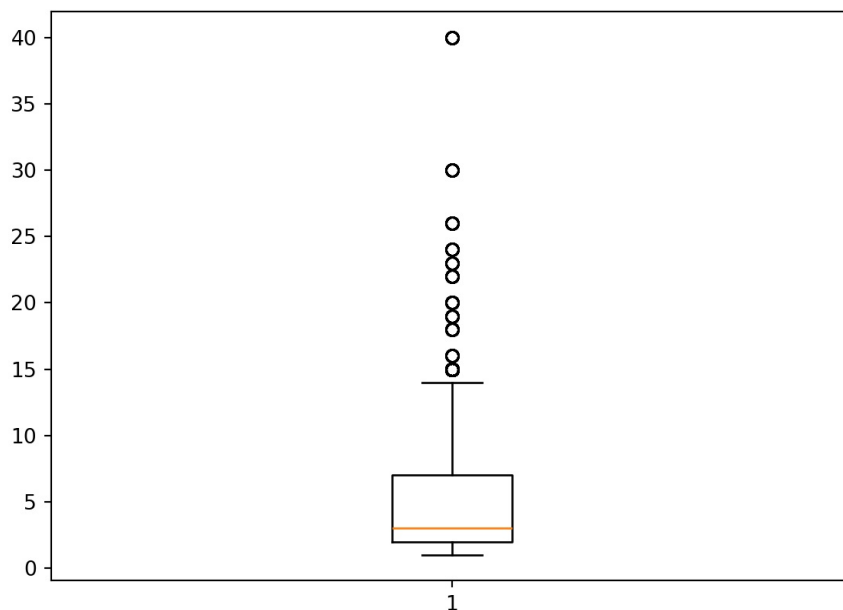
```
## `geom_smooth()` using method = 'loess' and formula = 'y ~ x'
```



```
fig = plt.figure()
ax = fig.add_subplot()
ax.boxplot(r.df[r.df['Active.Coaching.Length.Index'] > 0]['Active.Coaching.Length.Index'])
```

```
## {'whiskers': [<matplotlib.lines.Line2D object at 0x1225f4b90>, <matplotlib.lines.Line2D object at 0x1225f4cd0>], 'caps': [<matplotlib.lines.Line2D object at 0x1225f4e10>, <matplotlib.lines.Line2D object at 0x1225f4f50>], 'boxes': [<matplotlib.lines.Line2D object at 0x1225f4a50>], 'medians': [<matplotlib.lines.Line2D object at 0x1225f5090>], 'fliers': [<matplotlib.lines.Line2D object at 0x1225f51d0>], 'means': []}
```

```
plt.show()
```



```
df %>% filter(Active.Coaching.Length.Index > 0) %>% arrange(desc(Active.Coaching.Length.Index)) %>% head(1) %>% select(Current.Coach,Active.Coaching.Length,Full.Team.Name)
```

```
## Current.Coach Active.Coaching.Length Full.Team.Name
## 1 Greg Kampe 40 years Oakland Golden Grizzlies
```

```
df$Seed = sapply(df$Seed,function(r){
  if (r == 'Not In a Post-Season Tournament') {
    return(0)
  } else {
    return(r)
  }
})
```

```
df$Seed = as.integer(df$Seed)
str(select(df,Seed))
```

```
## 'data.frame': 8315 obs. of 1 variable:
## $ Seed: int 0 1 1 1 0 0 1 0 1 1 ...
```

```
df %>% group_by(Mapped.ESPN.Team.Name) %>% filter(Seed > 0) %>% summarise(avgSeed = mean(Seed,na.rm=T),seasons =
n()) %>% filter(seasons >= mean(seasons,na.rm=T),avgSeed > 0) %>% arrange(avgSeed) %>% head(10)
```

```
## # A tibble: 10 × 3
## Mapped.ESPN.Team.Name avgSeed seasons
## <chr> <dbl> <int>
## 1 Kansas 2 22
## 2 Duke 2.24 21
## 3 North Carolina 3.1 20
## 4 Kentucky 3.76 21
## 5 Virginia 3.78 18
## 6 Baylor 3.8 15
## 7 Georgetown 4 14
## 8 Louisville 4.06 17
## 9 Ohio State 4.17 18
## 10 UConn 4.18 17
```

```
df %>% group_by(Mapped.ESPN.Team.Name) %>% filter(Seed > 0) %>% summarise(avgSeed = mean(Seed,na.rm=T),seasons =
n()) %>% filter(seasons >= mean(seasons,na.rm=T),avgSeed > 0) %>% arrange(desc(avgSeed)) %>% head(10)
```

```
## # A tibble: 10 × 3
## Mapped.ESPN.Team.Name avgSeed seasons
## <chr> <dbl> <int>
## 1 Winthrop 13.8 8
## 2 UNC Asheville 13.4 8
## 3 Texas Southern 13.3 11
## 4 Hampton 13.2 8
## 5 Montana 12.7 12
## 6 New Mexico State 12.4 11
## 7 Iona 12.2 12
## 8 Morehead State 12 8
## 9 Oral Roberts 12 8
## 10 South Dakota State 11.2 11
```

```
df %>% filter(AvgHeight > 0) %>% group_by(Mapped.ESPN.Team.Name) %>% summarise(avgHeight = mean(AvgHeight,na.rm=T
)) %>% arrange(desc(avgHeight)) %>% head(10)
```

```
## # A tibble: 10 × 2
## Mapped.ESPN.Team.Name avgHeight
## <chr> <dbl>
## 1 Florida State 78.8
## 2 Syracuse 78.4
## 3 Kentucky 78.3
## 4 Duke 78.2
## 5 Stanford 78.2
## 6 USC 78.1
## 7 Iowa 78.0
## 8 UCLA 78.0
## 9 Gonzaga 78.0
## 10 Nevada 78.0
```

```
df %>% filter(AvgHeight > 0) %>% group_by(Mapped.ESPN.Team.Name) %>% summarise(avgHeight = mean(AvgHeight,na.rm=T
)) %>% arrange(avgHeight) %>% head(10)
```



```
## # A tibble: 10 × 2
##   Mapped.ESPN.Team.Name   avgHeight
##   <chr>                   <dbl>
## 1 Mercyhurst              75.0
## 2 Centenary (NJ)          75.3
## 3 St. Francis (NY)        75.3
## 4 Winston-Salem           75.4
## 5 Abilene Christian        75.4
## 6 Mississippi Valley State 75.6
## 7 Sam Houston              75.6
## 8 Savannah State           75.6
## 9 Gardner-Webb             75.6
## 10 Army                    75.6
```

```
library(plotly)
```

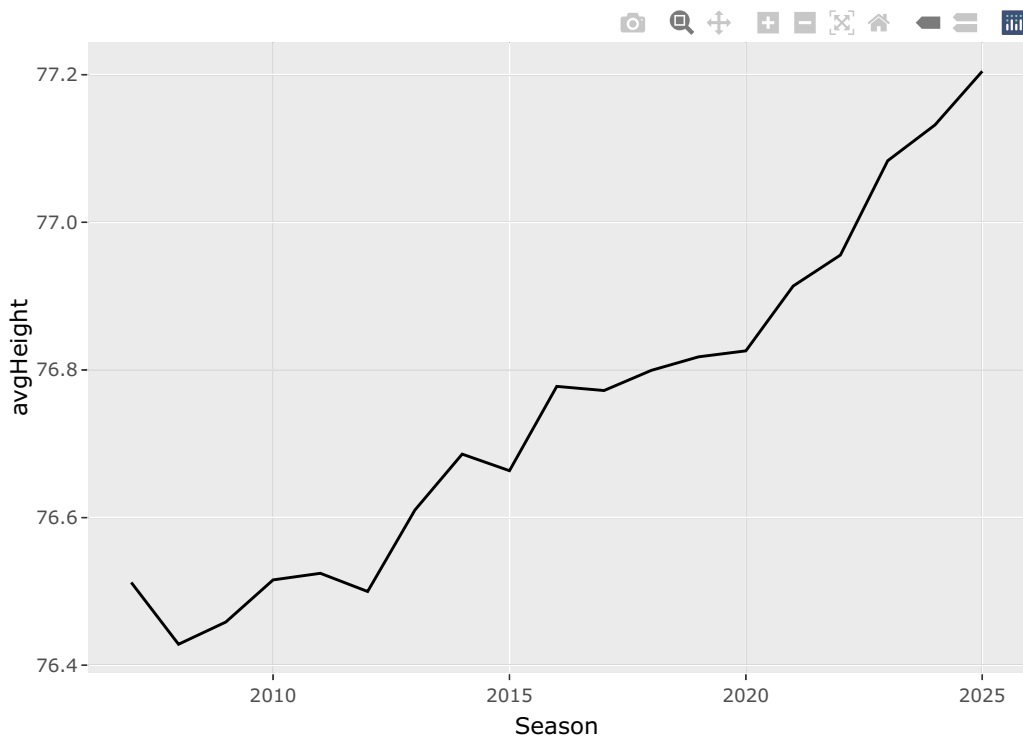
```
##
## Attaching package: 'plotly'
```

```
## The following object is masked from 'package:ggplot2':
##
##   last_plot
```

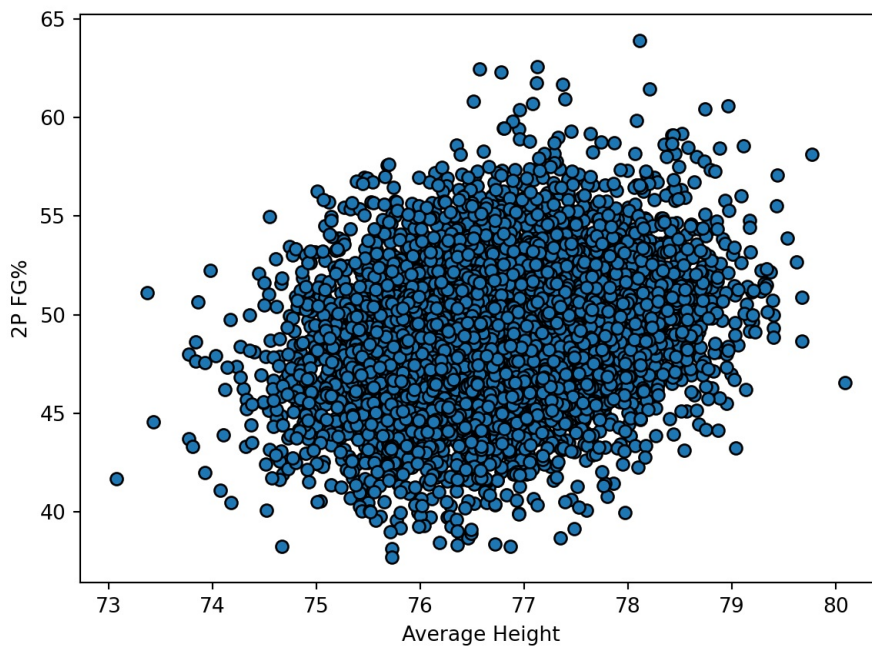
```
## The following object is masked from 'package:stats':
##
##   filter
```

```
## The following object is masked from 'package:graphics':
##
##   layout
```

```
ggplotly(ggplot(df %>% filter(AvgHeight > 0) %>% group_by(Season) %>% summarise(avgHeight = mean(AvgHeight,na.rm=
T)),aes(x=Season,y=avgHeight)) + geom_line())
```



```
fig = plt.figure()
ax = fig.add_subplot()
ax.scatter(x=r.df[r.df.FG2Pct > 0].AvgHeight,y=r.df[r.df.FG2Pct > 0].FG2Pct,edgecolor='black')
ax.set_xlabel('Average Height')
ax.set_ylabel('2P FG%')
plt.show()
```



```
corr = r.df.select_dtypes(include='number').corr()
```

```
corrdf = corr['Seed'].reset_index().sort_values(by='Seed',ascending=False)
corrdf[corrdf.Seed > 0.05]
```

| ## | | index | Seed |
|--------|---------------------------------|-----------------|----------|
| ## 136 | | Seed | 1.000000 |
| ## 49 | | AdjEM | 0.390397 |
| ## 132 | | Net.Rating | 0.390392 |
| ## 43 | | AdjOE | 0.339472 |
| ## 5 | Adjusted.Offensive.Efficiency | | 0.339373 |
| ## 7 | Raw.Offensive.Efficiency | | 0.312802 |
| ## 41 | | OE | 0.312802 |
| ## 17 | | eFGPct | 0.246373 |
| ## 51 | | FG2Pct | 0.216341 |
| ## 53 | | FG3Pct | 0.210253 |
| ## 21 | | ORPct | 0.152883 |
| ## 23 | | FTRate | 0.138387 |
| ## 57 | | BlockPct | 0.137676 |
| ## 98 | | Experience | 0.137619 |
| ## 71 | | ARate | 0.125185 |
| ## 75 | | StlRate | 0.112550 |
| ## 79 | | DFP | 0.110520 |
| ## 15 | Avg.Possession.Length..Defense. | | 0.109743 |
| ## 55 | | FTPct | 0.104554 |
| ## 96 | | EffectiveHeight | 0.102517 |
| ## 25 | | OffFT | 0.065721 |
| ## 33 | | Def2PtFG | 0.060856 |

```
columns = corrdf[corrdf.Seed > 0.05]['index'].tolist()
```

```
py$columns
```

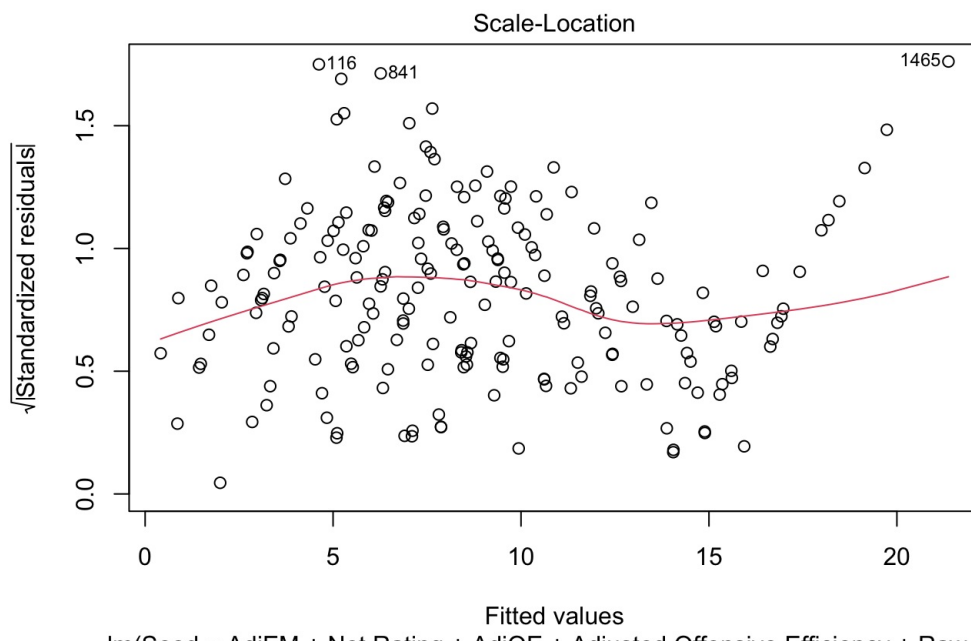
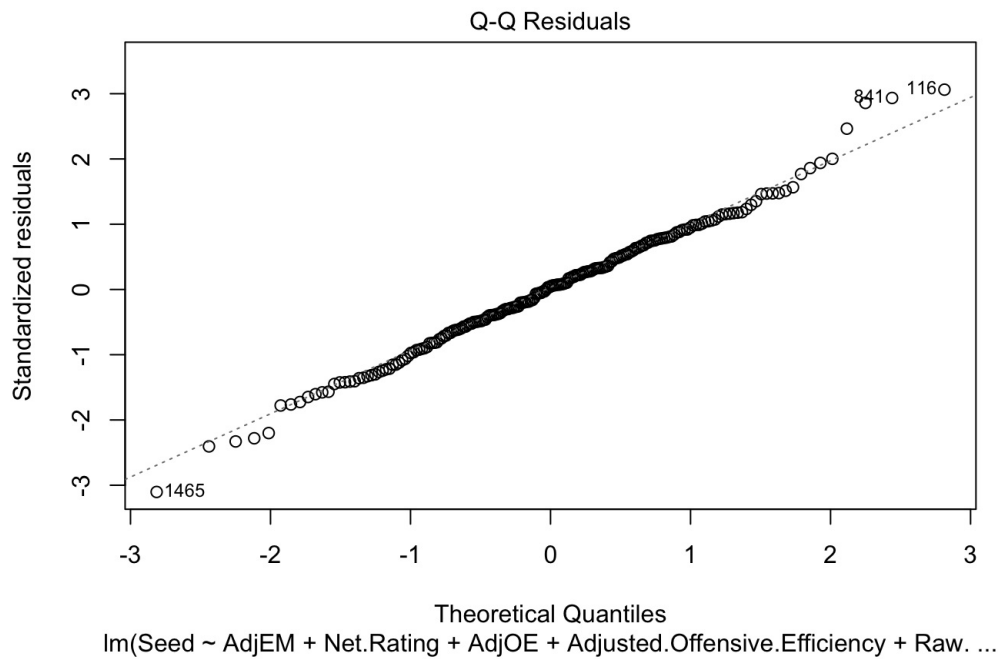
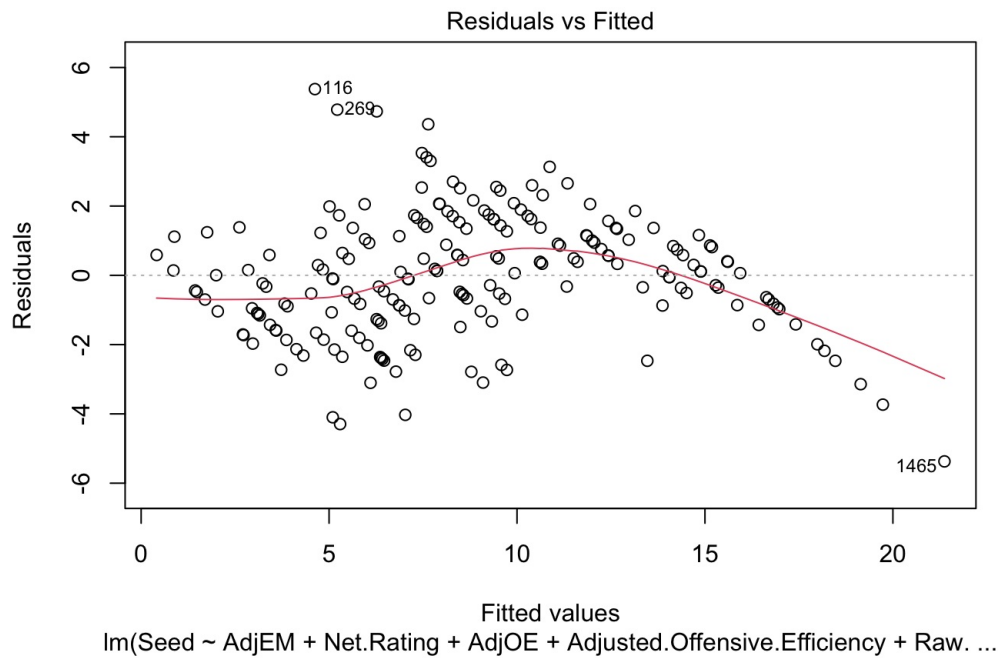
| ## | [1] | "Seed" | | "AdjEM" |
|----|------|---------------------------------|--|-----------------------------------|
| ## | [3] | "Net.Rating" | | "AdjOE" |
| ## | [5] | "Adjusted.Offensive.Efficiency" | | "Raw.Offensive.Efficiency" |
| ## | [7] | "OE" | | "eFGPct" |
| ## | [9] | "FG2Pct" | | "FG3Pct" |
| ## | [11] | "ORPct" | | "FTRate" |
| ## | [13] | "BlockPct" | | "Experience" |
| ## | [15] | "ARate" | | "StlRate" |
| ## | [17] | "DFP" | | "Avg.Possession.Length..Defense." |
| ## | [19] | "FTPct" | | "EffectiveHeight" |
| ## | [21] | "OffFT" | | "Def2PtFG" |

```
model = lm(Seed ~ AdjEM + Net.Rating + AdjOE + Adjusted.Offensive.Efficiency +
  Raw.Offensive.Efficiency + OE + eFGPct + FG2Pct + FG3Pct + ORPct +
  FTRate + BlockPct + Experience + ARate + StlRate + DFP +
  Avg.Possession.Length..Defense. + FTPct + EffectiveHeight +
  OffFT + Def2PtFG, data = filter(df,Post.Season.Tournament == 'March Madness',Season != 2025))
```

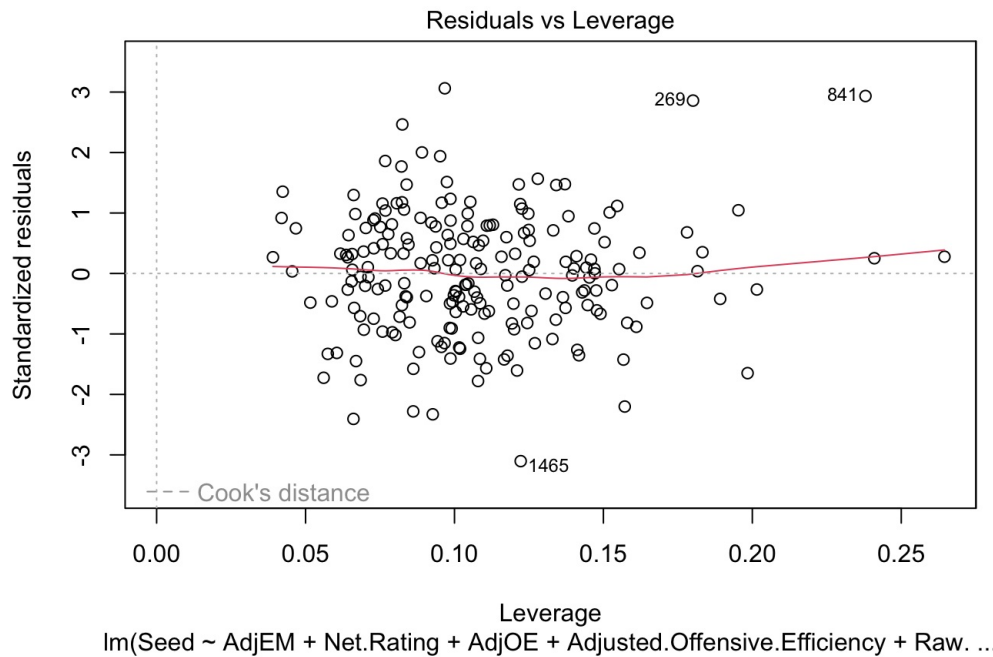
```
summary(model)
```

```
##
## Call:
## lm(formula = Seed ~ AdjEM + Net.Rating + AdjOE + Adjusted.Offensive.Efficiency +
##     Raw.Offensive.Efficiency + OE + eFGPct + FG2Pct + FG3Pct +
##     ORPct + FTRate + BlockPct + Experience + ARate + StlRate +
##     DFP + Avg.Possession.Length..Defense. + FTPct + EffectiveHeight +
##     OffFT + Def2PtFG, data = filter(df, Post.Season.Tournament ==
##     "March Madness", Season != 2025))
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -5.3712 -1.0731  0.0798  1.1772  5.3764
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    27.957912   9.547070   2.928  0.00384 **
## AdjEM           1.641591   4.918105   0.334  0.73893
## Net.Rating     -2.063999   4.927122  -0.419  0.67578
## AdjOE          -11.121404   7.089878  -1.569  0.11847
## Adjusted.Offensive.Efficiency  11.018330   7.102420   1.551  0.12256
## Raw.Offensive.Efficiency      0.202348   4.632934   0.044  0.96521
## OE             -0.046309   4.638013  -0.010  0.99204
## eFGPct         -0.111629   0.777575  -0.144  0.88601
## FG2Pct         -0.350618   0.426214  -0.823  0.41179
## FG3Pct         -0.277883   0.391842  -0.709  0.47913
## ORPct          -0.061070   0.052161  -1.171  0.24321
## FTRate          0.928989   0.547158   1.698  0.09125
## BlockPct       -0.103749   0.063048  -1.646  0.10158
## Experience     -0.509008   0.393227  -1.294  0.19715
## ARate          -0.003413   0.031969  -0.107  0.91509
## StlRate        11.110228   9.957242   1.116  0.26598
## DFP             0.044644   0.033375   1.338  0.18268
## Avg.Possession.Length..Defense.  0.105170   0.259846   0.405  0.68614
## FTPct           0.384996   0.267625   1.439  0.15199
## EffectiveHeight -0.092570   0.141651  -0.654  0.51425
## OffFT          -2.095164   1.233655  -1.698  0.09115
## Def2PtFG       -0.064554   0.048401  -1.334  0.18396
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.848 on 182 degrees of freedom
## (1263 observations deleted due to missingness)
## Multiple R-squared:  0.86, Adjusted R-squared:  0.8438
## F-statistic: 53.24 on 21 and 182 DF, p-value: < 2.2e-16
```

```
plot(model)
```



lm(Seed ~ AdjEM + Net.Rating + AdjOE + Adjusted.Offensive.Efficiency + Raw. ...



```
head(filter(df, Season == 2025)) # Check the first few rows of the 2025 data
```

```
## Season Short.Conference.Name Adjusted.Temo Adjusted.Tempo.Rank Raw.Tempo
## 1 2025 ACC 65.9 256 66.7
## 2 2025 SEC 67.8 147 69.1
## 3 2025 B12 61.4 360 62.3
## 4 2025 SEC 69.5 62 70.7
## 5 2025 SEC 63.7 346 65.5
## 6 2025 SEC 74.9 1 76.2
## Raw.Tempo.Rank Adjusted.Offensive.Efficiency
## 1 253 128.1
## 2 121 128.8
## 3 360 123.6
## 4 49 127.3
## 5 308 119.7
## 6 1 126.9
## Adjusted.Offensive.Efficiency.Rank Raw.Offensive.Efficiency
## 1 2 124.6
## 2 1 121.5
## 3 10 117.1
## 4 3 119.8
## 5 18 114.1
## 6 4 119.2
## Raw.Offensive.Efficiency.Rank Adjusted.Defensive.Efficiency
## 1 1 90.1
## 2 2 93.2
## 3 16 88.2
## 4 7 92.4
## 5 40 88.8
## 6 8 96.2
## Adjusted.Defensive.Efficiency.Rank Raw.Defensive.Efficiency
## 1 4 92.9
## 2 12 100.4
## 3 2 91.8
## 4 9 97.0
## 5 3 95.1
## 6 26 105.3
## Raw.Defensive.Efficiency.Rank Avg.Possession.Length..Offense.
## 1 3 17.0
## 2 49 17.2
## 3 1 19.4
## 4 18 16.2
## 5 9 18.2
## 6 163 15.0
## Avg.Possession.Length..Offense..Rank Avg.Possession.Length..Defense.
## 1 97 19.1
## 2 123 17.7
## 3 342 18.8
## 4 33 17.7
```

| | | | | | | | | | | | |
|----|---|--------------------------------------|----------------|-----------------|------------------|---------------|--------------|----------------|-----------|----------|-----|
| ## | 5 | | | | 267 | | | | 18.6 | | |
| ## | 6 | | | | 4 | | | | 16.5 | | |
| ## | | Avg.Possession.Length..Defense..Rank | eFGPct | RankeFGPct | | TOPct | RankTOPct | | | | |
| ## | 1 | | 363 | 57.44898 | | 5 | 14.36282 | | 18 | | |
| ## | 2 | | 197 | 55.94636 | | 23 | 13.46983 | | 7 | | |
| ## | 3 | | 358 | 52.76058 | | 89 | 14.69939 | | 25 | | |
| ## | 4 | | 196 | 54.99022 | | 38 | 15.33702 | | 50 | | |
| ## | 5 | | 351 | 52.92350 | | 85 | 16.02700 | | 98 | | |
| ## | 6 | | 11 | 56.55658 | | 11 | 16.77721 | | 156 | | |
| ## | | ORPct | RankORPct | FTRate | RankFTRate | OffFT | RankOffFT | Off2PtFG | | | |
| ## | 1 | 35.42260 | 32 | 31.68367 | | 207 | 17.78021 | 257 | 45.63709 | | |
| ## | 2 | 34.59062 | 44 | 33.35020 | | 170 | 18.17172 | 231 | 48.85270 | | |
| ## | 3 | 36.49374 | 13 | 28.43137 | | 315 | 16.56467 | 310 | 50.99959 | | |
| ## | 4 | 38.20225 | 8 | 31.94716 | | 202 | 17.17023 | 289 | 47.89978 | | |
| ## | 5 | 35.91954 | 20 | 34.04372 | | 149 | 19.08939 | 169 | 47.20134 | | |
| ## | 6 | 34.99157 | 37 | 40.31083 | | 25 | 20.37607 | 99 | 45.47009 | | |
| ## | | RankOff2PtFG | Off3PtFG | RankOff3PtFG | DefFT | RankDefFT | Def2PtFG | RankDef2PtFG | | | |
| ## | 1 | 300 | 36.58269 | | 59 | 17.22956 | 287 | 50.02447 | 167 | | |
| ## | 2 | 197 | 32.97557 | | 131 | 23.48451 | 15 | 51.18994 | 115 | | |
| ## | 3 | 133 | 32.43574 | | 152 | 21.46570 | 51 | 43.13929 | 347 | | |
| ## | 4 | 231 | 34.92999 | | 82 | 20.13667 | 115 | 51.29841 | 109 | | |
| ## | 5 | 256 | 33.70927 | | 113 | 19.27711 | 157 | 46.38554 | 298 | | |
| ## | 6 | 303 | 34.15385 | | 103 | 20.05420 | 120 | 53.11653 | 50 | | |
| ## | | Def3PtFG | RankDef3PtFG | Tempo | RankTempo | AdjTempo | RankAdjTempo | OE | RankOE | | |
| ## | 1 | 32.74596 | | 127 | 66.6705 | | 253 | 66.0774 | 256 | 124.568 | 1 |
| ## | 2 | 25.32555 | | 348 | 69.0824 | | 122 | 67.8881 | 147 | 121.500 | 2 |
| ## | 3 | 35.39501 | | 49 | 62.3037 | | 360 | 61.5377 | 360 | 117.137 | 16 |
| ## | 4 | 28.56492 | | 295 | 70.7031 | | 49 | 69.6695 | 62 | 119.846 | 7 |
| ## | 5 | 34.33735 | | 78 | 65.5145 | | 308 | 63.8389 | 346 | 114.107 | 40 |
| ## | 6 | 26.82927 | | 335 | 76.1931 | | 1 | 75.0248 | 1 | 119.155 | 8 |
| ## | | AdjOE | RankAdjOE | DE | RankDE | AdjDE | RankAdjDE | AdjEM | RankAdjEM | | |
| ## | 1 | 128.100 | | 2 | 92.9295 | | 3 | 90.0132 | 4 | 38.0870 | 1 |
| ## | 2 | 128.734 | | 1 | 100.4000 | | 49 | 93.1660 | 12 | 35.5678 | 2 |
| ## | 3 | 123.506 | | 10 | 91.7694 | | 1 | 88.1109 | 2 | 35.3956 | 3 |
| ## | 4 | 127.293 | | 3 | 96.9531 | | 18 | 92.3953 | 9 | 34.8972 | 4 |
| ## | 5 | 119.678 | | 18 | 95.0901 | | 9 | 88.7708 | 3 | 30.9073 | 5 |
| ## | 6 | 126.845 | | 4 | 105.2770 | | 163 | 96.1485 | 26 | 30.6962 | 6 |
| ## | | FG2Pct | RankFG2Pct | FG3Pct | RankFG3Pct | FTPct | RankFTPct | BlockPct | | | |
| ## | 1 | 58.13953 | | 8 | 37.74011 | | 20 | 78.42190 | 18 | 10.49958 | |
| ## | 2 | 56.26598 | | 30 | 36.98630 | | 35 | 74.50683 | 101 | 16.58416 | |
| ## | 3 | 49.13522 | | 261 | 39.78979 | | 4 | 73.68421 | 123 | 16.15950 | |
| ## | 4 | 56.57093 | | 25 | 35.30726 | | 96 | 71.36294 | 216 | 12.42938 | |
| ## | 5 | 54.01530 | | 70 | 34.31122 | | 153 | 73.35474 | 133 | 16.49899 | |
| ## | 6 | 59.85599 | | 3 | 35.12658 | | 104 | 71.80723 | 197 | 10.12031 | |
| ## | | RankBlockPct | OppFG2Pct | RankOppFG2Pct | OppFG3Pct | RankOppFG3Pct | OppFTPct | | | | |
| ## | 1 | 110 | 43.26842 | | 3 | 31.01530 | | 39 | 71.98364 | | |
| ## | 2 | 4 | 47.02970 | | 40 | 29.28349 | | 5 | 72.73992 | | |
| ## | 3 | 6 | 43.54669 | | 4 | 30.96862 | | 36 | 70.84048 | | |
| ## | 4 | 45 | 45.43987 | | 12 | 29.47814 | | 7 | 70.49442 | | |
| ## | 5 | 5 | 46.47887 | | 29 | 27.60291 | | 1 | 73.84615 | | |
| ## | 6 | 129 | 48.54919 | | 87 | 30.31496 | | 17 | 70.66849 | | |
| ## | | RankOppFTPct | OppBlockPct | RankOppBlockPct | FG3Rate | RankFG3Rate | OppFG3Rate | | | | |
| ## | 1 | 174 | 9.674419 | | 214 | 45.15306 | | 55 | 37.84211 | | |
| ## | 2 | 222 | 7.502131 | | 34 | 40.63765 | | 138 | 34.62783 | | |
| ## | 3 | 117 | 6.525157 | | 6 | 34.36533 | | 296 | 43.47568 | | |
| ## | 4 | 99 | 8.442124 | | 94 | 43.78669 | | 72 | 36.39630 | | |
| ## | 5 | 272 | 9.177820 | | 164 | 42.84153 | | 84 | 45.38462 | | |
| ## | 6 | 111 | 12.241224 | | 344 | 46.04177 | | 44 | 35.03448 | | |
| ## | | RankOppFG3Rate | ARate | RankARate | OppARate | RankOppARate | StlRate | RankStlRate | | | |
| ## | 1 | 142 | 58.28989 | | 50 | 51.63488 | | 181 | 0.1045395 | | 113 |
| ## | 2 | 46 | 55.48589 | | 93 | 40.36939 | | 7 | 0.1009111 | | 142 |
| ## | 3 | 315 | 44.94382 | | 329 | 56.23053 | | 289 | 0.1269493 | | 24 |
| ## | 4 | 95 | 52.89855 | | 136 | 45.59585 | | 37 | 0.1100552 | | 76 |
| ## | 5 | 343 | 60.55156 | | 23 | 46.37681 | | 52 | 0.1068467 | | 97 |
| ## | 6 | 55 | 54.20842 | | 112 | 43.62050 | | 20 | 0.0798139 | | 317 |
| ## | | OppStlRate | RankOppStlRate | DFP | NSTRate | RankNSTRate | OppNSTRate | RankOppNSTRate | | | |
| ## | 1 | 0.08135901 | | 26 | NA | 6.226919 | | 43 | 7.272314 | | 212 |
| ## | 2 | 0.08784674 | | 86 | NA | 4.685160 | | 2 | 7.298037 | | 211 |
| ## | 3 | 0.07826948 | | 16 | NA | 6.872442 | | 111 | 9.115531 | | 24 |
| ## | 4 | 0.08928177 | | 101 | NA | 6.408840 | | 56 | 6.276243 | | 321 |
| ## | 5 | 0.08824389 | | 89 | NA | 7.202609 | | 149 | 7.584204 | | 172 |
| ## | 6 | 0.10180345 | | 233 | NA | 6.596863 | | 74 | 5.700993 | | 355 |
| ## | | AvgHeight | RankAvgHeight | CenterHeight | RankCenterHeight | PFHeight | RankPFHeight | | | | |
| ## | 1 | 79.77 | | 1 | 2.67 | | 10 | 1.49 | | | 37 |
| ## | 2 | 78.42 | | 27 | 1.11 | | 67 | 0.53 | | | 112 |
| ## | 3 | 76.84 | | 238 | -1.39 | | 304 | 0.23 | | | 141 |
| ## | 4 | 77.78 | | 95 | 1.20 | | 58 | 1.59 | | | 32 |
| ## | 5 | 77.16 | | 189 | 1.26 | | 54 | 1.23 | | | 49 |
| ## | 6 | 78.08 | | 57 | 1.61 | | 33 | 3.15 | | | 1 |

| | | | | | | | | | |
|------|------------------------------------|--------------------------------------|-----------------------------------|----------------|-----------------|--------------|----------|-----------|----------|
| ## | SFHeight | RankSFHeight | SGHeight | RankSGHeight | PGHeight | RankPGHeight | | | |
| ## 1 | 1.46 | 30 | 2.68 | | 2 | 4.52 | | 1 | |
| ## 2 | 1.44 | 31 | 2.01 | | 12 | 0.98 | | 88 | |
| ## 3 | -0.71 | 280 | -0.19 | | 204 | 0.24 | | 165 | |
| ## 4 | -0.65 | 272 | -0.04 | | 189 | 0.79 | | 113 | |
| ## 5 | -0.39 | 240 | 0.68 | | 95 | -3.01 | | 353 | |
| ## 6 | 0.27 | 141 | -0.51 | | 256 | -0.12 | | 206 | |
| ## | EffectiveHeight | RankEffectiveHeight | Experience | RankExperience | Bench | BenchRank | | | |
| ## 1 | 2.08 | | 10 | 1.94716 | 129 | 31.01 | | 187 | |
| ## 2 | 0.82 | | 75 | 2.79421 | 25 | 33.94 | | 106 | |
| ## 3 | -0.58 | | 257 | 2.64489 | 41 | 29.54 | | 232 | |
| ## 4 | 1.40 | | 36 | 2.42012 | 62 | 28.34 | | 265 | |
| ## 5 | 1.24 | | 51 | 2.92752 | 14 | 24.97 | | 313 | |
| ## 6 | 2.38 | | 5 | 2.99678 | 9 | 38.21 | | 36 | |
| ## | CenterPts | RankCenterPts | PFpts | RankPFpts | SFpts | RankSFpts | SGpts | RankSGpts | PGpts |
| ## 1 | 15.35 | 313 | 27.53 | 10 | 22.69 | 80 | 15.98 | 329 | 18.42 |
| ## 2 | 20.84 | 120 | 20.99 | 128 | 18.59 | 218 | 19.08 | 250 | 20.49 |
| ## 3 | 15.39 | 312 | 18.78 | 211 | 18.83 | 212 | 21.40 | 138 | 25.61 |
| ## 4 | 18.18 | 219 | 17.69 | 257 | 19.07 | 199 | 23.39 | 69 | 21.68 |
| ## 5 | 17.51 | 234 | 19.64 | 179 | 27.90 | 11 | 15.56 | 336 | 19.34 |
| ## 6 | 15.60 | 306 | 19.05 | 201 | 18.55 | 220 | 21.51 | 133 | 25.28 |
| ## | RankPGpts | CenterOR | RankCenterOR | PFOR | RankPFOR | SFOR | RankSFOR | SGOR | RankSGOR |
| ## 1 | 235 | 49.19 | 15 | 17.94 | 326 | 10.76 | 318 | 12.68 | 123 |
| ## 2 | 160 | 45.88 | 23 | 30.35 | 97 | 12.95 | 277 | 5.43 | 334 |
| ## 3 | 40 | 45.83 | 24 | 26.88 | 166 | 9.60 | 337 | 13.03 | 114 |
| ## 4 | 135 | 40.80 | 85 | 33.29 | 56 | 9.06 | 342 | 6.29 | 318 |
| ## 5 | 207 | 34.99 | 198 | 33.00 | 60 | 7.70 | 350 | 16.03 | 52 |
| ## 6 | 50 | 29.84 | 285 | 28.78 | 128 | 26.33 | 28 | 10.02 | 210 |
| ## | PGOR | RankPGOR | CenterDR | RankCenterDR | PFDR | RankPFDR | SFDR | RankSFDR | SGDR |
| ## 1 | 9.37 | 138 | 25.41 | 196 | 27.08 | 65 | 14.05 | 345 | 19.73 |
| ## 2 | 5.35 | 311 | 29.95 | 77 | 24.60 | 135 | 16.65 | 270 | 16.18 |
| ## 3 | 4.66 | 332 | 26.42 | 162 | 20.80 | 263 | 17.49 | 232 | 23.22 |
| ## 4 | 10.56 | 105 | 30.42 | 63 | 24.22 | 146 | 14.06 | 344 | 15.82 |
| ## 5 | 8.21 | 186 | 28.24 | 110 | 24.67 | 129 | 17.36 | 238 | 16.53 |
| ## 6 | 5.03 | 317 | 27.73 | 126 | 29.40 | 25 | 19.66 | 162 | 11.86 |
| ## | RankSGDR | PGDR | RankPGDR | Net.Rating | Net.Rating.Rank | | | | |
| ## 1 | 64 | 13.70 | 213 | 38.0 | | 1 | | | |
| ## 2 | 185 | 12.60 | 273 | 35.6 | | 5 | | | |
| ## 3 | 12 | 12.06 | 298 | 35.4 | | 6 | | | |
| ## 4 | 200 | 15.48 | 133 | 34.9 | | 8 | | | |
| ## 5 | 168 | 13.13 | 245 | 30.9 | | 33 | | | |
| ## 6 | 337 | 11.35 | 321 | 30.7 | | 36 | | | |
| ## | Mapped.Conference.Name | Mapped.ESPN.Team.Name | Current.Coach | | | | | | |
| ## 1 | Atlantic Coast Conference (ACC) | Duke | Jon Scheyer | | | | | | |
| ## 2 | Southeastern Conference (SEC) | Auburn | Bruce Pearl | | | | | | |
| ## 3 | Big 12 Conference | Houston | Kelvin Sampson | | | | | | |
| ## 4 | Southeastern Conference (SEC) | Florida | Todd Golden | | | | | | |
| ## 5 | Southeastern Conference (SEC) | Tennessee | Rick Barnes | | | | | | |
| ## 6 | Southeastern Conference (SEC) | Alabama | Nate Oats | | | | | | |
| ## | Full.Team.Name | Since | Active.Coaching.Length | | | | | | |
| ## 1 | Duke Blue Devils | 202223 | 2 years | | | | | | |
| ## 2 | Auburn Tigers | 201415 | 10 years | | | | | | |
| ## 3 | Houston Cougars | 201415 | 10 years | | | | | | |
| ## 4 | Florida Gators | 202223 | 2 years | | | | | | |
| ## 5 | Tennessee Volunteers | 201516 | 9 years | | | | | | |
| ## 6 | Alabama Crimson Tide | 201920 | 5 years | | | | | | |
| ## | Active.Coaching.Length.Index | Seed | Region | | | | | | |
| ## 1 | | 3 | 0 Not In a Post-Season Tournament | | | | | | |
| ## 2 | | 11 | 0 Not In a Post-Season Tournament | | | | | | |
| ## 3 | | 11 | 0 Not In a Post-Season Tournament | | | | | | |
| ## 4 | | 3 | 0 Not In a Post-Season Tournament | | | | | | |
| ## 5 | | 10 | 0 Not In a Post-Season Tournament | | | | | | |
| ## 6 | | 6 | 0 Not In a Post-Season Tournament | | | | | | |
| ## | Post.Season.Tournament | Post.Season.Tournament.Sorting.Index | | | | | | | |
| ## 1 | Not In a Post-Season Tournament | 5 | | | | | | | |
| ## 2 | Not In a Post-Season Tournament | 5 | | | | | | | |
| ## 3 | Not In a Post-Season Tournament | 5 | | | | | | | |
| ## 4 | Not In a Post-Season Tournament | 5 | | | | | | | |
| ## 5 | Not In a Post-Season Tournament | 5 | | | | | | | |
| ## 6 | Not In a Post-Season Tournament | 5 | | | | | | | |
| ## | Top.12.in.AP.Top.25.During.Week.6. | | | | | | | | |
| ## 1 | | Yes | | | | | | | |
| ## 2 | | Yes | | | | | | | |
| ## 3 | | No | | | | | | | |
| ## 4 | | Yes | | | | | | | |
| ## 5 | | Yes | | | | | | | |
| ## 6 | | Yes | | | | | | | |

```
summary(filter(df, Season == 2025)) # Check for any NA values or unexpected data types
```

```
##      Season      Short.Conference.Name Adjusted.Temo  Adjusted.Tempo.Rank
##  Min.    :2025      Length:364             Min.    :58.90      Min.    : 1.00
##  1st Qu.:2025      Class :character         1st Qu.:65.60      1st Qu.: 91.75
##  Median :2025      Mode  :character         Median :67.30      Median :182.50
##  Mean   :2025                                Mean   :67.27      Mean   :182.50
##  3rd Qu.:2025                                3rd Qu.:68.80      3rd Qu.:273.25
##  Max.   :2025                                Max.   :74.90      Max.   :364.00
##
##      Raw.Tempo      Raw.Tempo.Rank  Adjusted.Offensive.Efficiency
##  Min.    :59.50      Min.    : 1.00      Min.    : 82.6
##  1st Qu.:66.28      1st Qu.: 91.75      1st Qu.:101.4
##  Median :67.95      Median :182.50      Median :106.5
##  Mean   :67.98      Mean   :182.50      Mean   :106.8
##  3rd Qu.:69.53      3rd Qu.:273.25      3rd Qu.:111.7
##  Max.   :76.20      Max.   :364.00      Max.   :128.8
##
##      Adjusted.Offensive.Efficiency.Rank Raw.Offensive.Efficiency
##  Min.    : 1.00                        Min.    : 79.4
##  1st Qu.: 91.75                        1st Qu.:102.1
##  Median :182.50                        Median :105.7
##  Mean   :182.50                        Mean   :106.1
##  3rd Qu.:273.25                        3rd Qu.:110.2
##  Max.   :364.00                        Max.   :124.6
##
##      Raw.Offensive.Efficiency.Rank Adjusted.Defensive.Efficiency
##  Min.    : 1.00                        Min.    : 87.7
##  1st Qu.: 91.75                        1st Qu.:102.6
##  Median :182.50                        Median :107.2
##  Mean   :182.50                        Mean   :106.8
##  3rd Qu.:273.25                        3rd Qu.:111.7
##  Max.   :364.00                        Max.   :124.8
##
##      Adjusted.Defensive.Efficiency.Rank Raw.Defensive.Efficiency
##  Min.    : 1.00                        Min.    : 91.8
##  1st Qu.: 91.75                        1st Qu.:102.8
##  Median :182.50                        Median :106.5
##  Mean   :182.50                        Mean   :106.3
##  3rd Qu.:273.25                        3rd Qu.:109.8
##  Max.   :364.00                        Max.   :124.6
##
##      Raw.Defensive.Efficiency.Rank Avg.Possession.Length..Offense.
##  Min.    : 1.00                        Min.    :14.20
##  1st Qu.: 91.75                        1st Qu.:16.90
##  Median :182.50                        Median :17.70
##  Mean   :182.50                        Mean   :17.66
##  3rd Qu.:273.25                        3rd Qu.:18.30
##  Max.   :364.00                        Max.    :22.00
##
##      Avg.Possession.Length..Offense..Rank Avg.Possession.Length..Defense.
##  Min.    : 1.00                        Min.    :15.80
##  1st Qu.: 91.75                        1st Qu.:17.30
##  Median :182.50                        Median :17.60
##  Mean   :182.50                        Mean   :17.62
##  3rd Qu.:273.25                        3rd Qu.:18.00
##  Max.   :364.00                        Max.    :19.10
##
##      Avg.Possession.Length..Defense..Rank  eFGPct      RankeFGPct
##  Min.    : 1.00                        Min.    :42.10      Min.    : 1.00
##  1st Qu.: 91.75                        1st Qu.:48.87      1st Qu.: 91.75
##  Median :182.50                        Median :50.67      Median :182.50
##  Mean   :182.50                        Mean   :50.81      Mean   :182.50
##  3rd Qu.:273.25                        3rd Qu.:52.66      3rd Qu.:273.25
##  Max.   :364.00                        Max.    :58.27      Max.   :364.00
##
##      TOPct      RankTOPct      ORPct      RankORPct
##  Min.    :12.50      Min.    : 1.00      Min.    :17.80      Min.    : 1.00
##  1st Qu.:15.93      1st Qu.: 91.75      1st Qu.:26.54      1st Qu.: 91.75
##  Median :17.20      Median :182.50      Median :29.98      Median :182.50
##  Mean   :17.30      Mean   :182.50      Mean   :29.73      Mean   :182.49
##  3rd Qu.:18.51      3rd Qu.:273.25      3rd Qu.:32.78      3rd Qu.:273.25
##  Max.   :25.10      Max.   :364.00      Max.    :42.05      Max.   :364.00
##
##      FTRate      RankFTRate      OffFT      RankOffFT
##  Min.    :22.18      Min.    : 1.00      Min.    :12.93      Min.    : 1.00
##  1st Qu.:30.01      1st Qu.: 91.75      1st Qu.:17.50      1st Qu.: 91.75
```


| | | | | | | | | |
|----|-----------|---------|---------------|---------|-------------|----------|-----------------|---------|
| ## | Median | :32.85 | Median | :182.50 | Median | :18.91 | Median | :182.50 |
| ## | Mean | :33.07 | Mean | :182.50 | Mean | :18.98 | Mean | :182.50 |
| ## | 3rd Qu. | :35.97 | 3rd Qu. | :273.25 | 3rd Qu. | :20.53 | 3rd Qu. | :273.25 |
| ## | Max. | :47.70 | Max. | :364.00 | Max. | :24.94 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | Off2PtFG | | RankOff2PtFG | | Off3PtFG | | RankOff3PtFG | |
| ## | Min. | :36.91 | Min. | : 1.00 | Min. | :16.60 | Min. | : 1.00 |
| ## | 1st Qu. | :46.66 | 1st Qu. | : 91.75 | 1st Qu. | :28.12 | 1st Qu. | : 91.75 |
| ## | Median | :49.63 | Median | :182.50 | Median | :31.48 | Median | :182.50 |
| ## | Mean | :49.54 | Mean | :182.50 | Mean | :31.48 | Mean | :182.50 |
| ## | 3rd Qu. | :52.33 | 3rd Qu. | :273.25 | 3rd Qu. | :34.73 | 3rd Qu. | :273.25 |
| ## | Max. | :62.54 | Max. | :364.00 | Max. | :45.96 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | DefFT | | RankDefFT | | Def2PtFG | | RankDef2PtFG | |
| ## | Min. | :11.48 | Min. | : 1.00 | Min. | :33.50 | Min. | : 1.00 |
| ## | 1st Qu. | :17.53 | 1st Qu. | : 91.75 | 1st Qu. | :47.15 | 1st Qu. | : 91.75 |
| ## | Median | :18.91 | Median | :182.50 | Median | :49.70 | Median | :182.50 |
| ## | Mean | :19.00 | Mean | :182.50 | Mean | :49.47 | Mean | :182.50 |
| ## | 3rd Qu. | :20.43 | 3rd Qu. | :273.25 | 3rd Qu. | :51.92 | 3rd Qu. | :273.25 |
| ## | Max. | :25.76 | Max. | :364.00 | Max. | :60.32 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | Def3PtFG | | RankDef3PtFG | | Tempo | | RankTempo | |
| ## | Min. | :21.83 | Min. | : 1.00 | Min. | :59.53 | Min. | : 1.00 |
| ## | 1st Qu. | :29.23 | 1st Qu. | : 91.75 | 1st Qu. | :66.25 | 1st Qu. | : 91.75 |
| ## | Median | :31.24 | Median | :182.50 | Median | :67.93 | Median | :182.50 |
| ## | Mean | :31.53 | Mean | :182.50 | Mean | :67.98 | Mean | :182.50 |
| ## | 3rd Qu. | :33.85 | 3rd Qu. | :273.25 | 3rd Qu. | :69.56 | 3rd Qu. | :273.25 |
| ## | Max. | :51.63 | Max. | :364.00 | Max. | :76.19 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | AdjTempo | | RankAdjTempo | | OE | | RankOE | |
| ## | Min. | :59.01 | Min. | : 1.00 | Min. | : 79.37 | Min. | : 1.00 |
| ## | 1st Qu. | :65.76 | 1st Qu. | : 91.75 | 1st Qu. | :102.07 | 1st Qu. | : 91.75 |
| ## | Median | :67.42 | Median | :182.50 | Median | :105.68 | Median | :182.50 |
| ## | Mean | :67.40 | Mean | :182.50 | Mean | :106.07 | Mean | :182.50 |
| ## | 3rd Qu. | :68.94 | 3rd Qu. | :273.25 | 3rd Qu. | :110.15 | 3rd Qu. | :273.25 |
| ## | Max. | :75.02 | Max. | :364.00 | Max. | :124.57 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | AdjOE | | RankAdjOE | | DE | | RankDE | |
| ## | Min. | : 82.55 | Min. | : 1.00 | Min. | : 91.77 | Min. | : 1.00 |
| ## | 1st Qu. | :101.37 | 1st Qu. | : 91.75 | 1st Qu. | :102.82 | 1st Qu. | : 91.75 |
| ## | Median | :106.42 | Median | :182.50 | Median | :106.51 | Median | :182.50 |
| ## | Mean | :106.79 | Mean | :182.50 | Mean | :106.29 | Mean | :182.50 |
| ## | 3rd Qu. | :111.70 | 3rd Qu. | :273.25 | 3rd Qu. | :109.86 | 3rd Qu. | :273.25 |
| ## | Max. | :128.73 | Max. | :364.00 | Max. | :124.64 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | AdjDE | | RankAdjDE | | AdjEM | | RankAdjEM | |
| ## | Min. | : 87.63 | Min. | : 1.00 | Min. | :-42.223 | Min. | : 1.00 |
| ## | 1st Qu. | :102.55 | 1st Qu. | : 91.75 | 1st Qu. | :-9.274 | 1st Qu. | : 91.75 |
| ## | Median | :107.22 | Median | :182.50 | Median | :-1.732 | Median | :182.50 |
| ## | Mean | :106.79 | Mean | :182.50 | Mean | : 0.000 | Mean | :182.50 |
| ## | 3rd Qu. | :111.62 | 3rd Qu. | :273.25 | 3rd Qu. | : 7.622 | 3rd Qu. | :273.25 |
| ## | Max. | :124.77 | Max. | :364.00 | Max. | : 38.087 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | FG2Pct | | RankFG2Pct | | FG3Pct | | RankFG3Pct | |
| ## | Min. | :41.53 | Min. | : 1.00 | Min. | :26.70 | Min. | : 1.00 |
| ## | 1st Qu. | :48.79 | 1st Qu. | : 91.75 | 1st Qu. | :31.81 | 1st Qu. | : 91.75 |
| ## | Median | :51.02 | Median | :182.50 | Median | :33.72 | Median | :182.50 |
| ## | Mean | :51.02 | Mean | :182.49 | Mean | :33.71 | Mean | :182.48 |
| ## | 3rd Qu. | :53.35 | 3rd Qu. | :273.25 | 3rd Qu. | :35.42 | 3rd Qu. | :273.25 |
| ## | Max. | :60.57 | Max. | :364.00 | Max. | :40.00 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | FTPct | | RankFTPct | | BlockPct | | RankBlockPct | |
| ## | Min. | :59.03 | Min. | : 1.00 | Min. | : 3.645 | Min. | : 1.00 |
| ## | 1st Qu. | :69.51 | 1st Qu. | : 91.75 | 1st Qu. | : 7.733 | 1st Qu. | : 91.75 |
| ## | Median | :72.18 | Median | :182.50 | Median | : 9.150 | Median | :182.50 |
| ## | Mean | :72.10 | Mean | :182.48 | Mean | : 9.394 | Mean | :182.50 |
| ## | 3rd Qu. | :74.74 | 3rd Qu. | :273.25 | 3rd Qu. | :11.042 | 3rd Qu. | :273.25 |
| ## | Max. | :82.80 | Max. | :364.00 | Max. | :18.549 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | OppFG2Pct | | RankOppFG2Pct | | OppFG3Pct | | RankOppFG3Pct | |
| ## | Min. | :42.62 | Min. | : 1.00 | Min. | :27.60 | Min. | : 1.00 |
| ## | 1st Qu. | :48.76 | 1st Qu. | : 91.75 | 1st Qu. | :32.36 | 1st Qu. | : 91.75 |
| ## | Median | :50.99 | Median | :182.50 | Median | :33.78 | Median | :182.50 |
| ## | Mean | :51.04 | Mean | :182.50 | Mean | :33.82 | Mean | :182.43 |
| ## | 3rd Qu. | :53.28 | 3rd Qu. | :273.25 | 3rd Qu. | :35.29 | 3rd Qu. | :273.25 |
| ## | Max. | :59.81 | Max. | :364.00 | Max. | :39.70 | Max. | :364.00 |
| ## | | | | | | | | |
| ## | OppFTPct | | RankOppFTPct | | OppBlockPct | | RankOppBlockPct | |
| ## | Min. | :65.12 | Min. | : 1.00 | Min. | : 5.381 | Min. | : 1.00 |

```

## 1st Qu.:70.44 1st Qu.: 91.75 1st Qu.: 8.424 1st Qu.: 91.75
## Median :72.13 Median :181.00 Median : 9.383 Median :182.50
## Mean :72.18 Mean :182.48 Mean : 9.457 Mean :182.49
## 3rd Qu.:73.94 3rd Qu.:273.25 3rd Qu.:10.302 3rd Qu.:273.25
## Max. :78.59 Max. :364.00 Max. :14.775 Max. :364.00
##
## FG3Rate RankFG3Rate OppFG3Rate RankOppFG3Rate
## Min. :20.67 Min. : 1.00 Min. :27.68 Min. : 1.00
## 1st Qu.:35.28 1st Qu.: 91.75 1st Qu.:36.22 1st Qu.: 91.75
## Median :38.41 Median :182.50 Median :38.84 Median :182.50
## Mean :39.01 Mean :182.50 Mean :39.05 Mean :182.50
## 3rd Qu.:42.44 3rd Qu.:273.25 3rd Qu.:41.34 3rd Qu.:273.25
## Max. :53.96 Max. :364.00 Max. :59.32 Max. :364.00
##
## ARate RankARate OppARate RankOppARate
## Min. :38.03 Min. : 1.00 Min. :37.39 Min. : 1.00
## 1st Qu.:48.26 1st Qu.: 91.75 1st Qu.:48.35 1st Qu.: 91.75
## Median :51.52 Median :182.50 Median :51.69 Median :182.50
## Mean :51.76 Mean :182.50 Mean :51.96 Mean :182.49
## 3rd Qu.:55.56 3rd Qu.:273.25 3rd Qu.:55.48 3rd Qu.:273.25
## Max. :66.39 Max. :364.00 Max. :69.72 Max. :364.00
##
## StlRate RankStlRate OppStlRate RankOppStlRate
## Min. :0.04810 Min. : 1.00 Min. :0.06016 Min. : 1.00
## 1st Qu.:0.08622 1st Qu.: 91.75 1st Qu.:0.08853 1st Qu.: 91.75
## Median :0.09628 Median :182.50 Median :0.09630 Median :182.50
## Mean :0.09729 Mean :182.50 Mean :0.09754 Mean :182.50
## 3rd Qu.:0.10758 3rd Qu.:273.25 3rd Qu.:0.10624 3rd Qu.:273.25
## Max. :0.14564 Max. :364.00 Max. :0.14495 Max. :364.00
##
## DFP NStRate RankNStRate OppNStRate
## Min. : NA Min. : 4.424 Min. : 1.00 Min. : 4.735
## 1st Qu.: NA 1st Qu.: 6.722 1st Qu.: 91.75 1st Qu.: 6.748
## Median : NA Median : 7.451 Median :182.50 Median : 7.511
## Mean :NaN Mean : 7.544 Mean :182.50 Mean : 7.531
## 3rd Qu.: NA 3rd Qu.: 8.168 3rd Qu.:273.25 3rd Qu.: 8.266
## Max. : NA Max. :13.292 Max. :364.00 Max. :10.611
## NA's :364
## RankOppNStRate AvgHeight RankAvgHeight CenterHeight
## Min. : 1.00 Min. :74.27 Min. : 1.00 Min. : -3.030000
## 1st Qu.: 91.75 1st Qu.:76.64 1st Qu.: 91.75 1st Qu.: -0.922500
## Median :182.50 Median :77.19 Median :182.50 Median : 0.060000
## Mean :182.50 Mean :77.20 Mean :182.50 Mean : -0.000082
## 3rd Qu.:273.25 3rd Qu.:77.80 3rd Qu.:273.25 3rd Qu.: 0.875000
## Max. :364.00 Max. :79.77 Max. :364.00 Max. : 4.530000
##
## RankCenterHeight PFHeight RankPFHeight SFHeight
## Min. : 1.00 Min. : -3.480000 Min. : 1.00 Min. : -3.480000
## 1st Qu.: 91.75 1st Qu.: -0.720000 1st Qu.: 91.75 1st Qu.: -0.652500
## Median :182.50 Median : -0.080000 Median :182.50 Median : -0.010000
## Mean :182.05 Mean : 0.000687 Mean :181.94 Mean : -0.000549
## 3rd Qu.:273.25 3rd Qu.: 0.722500 3rd Qu.:273.25 3rd Qu.: 0.725000
## Max. :364.00 Max. : 3.150000 Max. :364.00 Max. : 3.050000
##
## RankSFHeight SGHeight RankSGHeight PGHeight
## Min. : 1.00 Min. : -4.0400 Min. : 1.00 Min. : -4.52000
## 1st Qu.: 91.75 1st Qu.: -0.7300 1st Qu.: 91.75 1st Qu.: -0.95250
## Median :182.50 Median : 0.0200 Median :182.50 Median : 0.12000
## Mean :181.40 Mean : 0.0000 Mean :181.41 Mean : -0.00011
## 3rd Qu.:273.25 3rd Qu.: 0.7025 3rd Qu.:273.25 3rd Qu.: 0.94750
## Max. :364.00 Max. : 3.0900 Max. :364.00 Max. : 4.52000
##
## RankPGHeight EffectiveHeight RankEffectiveHeight Experience
## Min. : 1.00 Min. : -2.710000 Min. : 1.00 Min. : 0.000
## 1st Qu.: 91.75 1st Qu.: -0.692500 1st Qu.: 91.75 1st Qu.:1.241
## Median :182.50 Median : -0.045000 Median :182.50 Median :1.742
## Mean :181.83 Mean : 0.000082 Mean :182.50 Mean :1.732
## 3rd Qu.:273.25 3rd Qu.: 0.662500 3rd Qu.:273.25 3rd Qu.:2.176
## Max. :364.00 Max. : 3.270000 Max. :364.00 Max. :3.639
##
## RankExperience Bench BenchRank CenterPts
## Min. : 1.00 Min. :14.14 Min. : 1.00 Min. :10.12
## 1st Qu.: 91.75 1st Qu.:27.70 1st Qu.: 91.75 1st Qu.:16.55
## Median :182.50 Median :31.12 Median :182.50 Median :19.21
## Mean :182.50 Mean :31.19 Mean :182.50 Mean :19.43
## 3rd Qu.:273.25 3rd Qu.:34.51 3rd Qu.:273.25 3rd Qu.:22.25
## Max. :364.00 Max. :46.49 Max. :364.00 Max. :30.75
##
## RankCenterPts PFpts RankPFpts SFpts

```

```

## Min. : 1.00 Min. : 9.12 Min. : 1.00 Min. : 8.12
## 1st Qu.: 91.75 1st Qu.:17.34 1st Qu.: 91.75 1st Qu.:16.91
## Median :182.50 Median :19.55 Median :182.50 Median :19.68
## Mean :182.50 Mean :19.79 Mean :182.50 Mean :19.76
## 3rd Qu.:273.25 3rd Qu.:21.99 3rd Qu.:273.25 3rd Qu.:22.33
## Max. :364.00 Max. :29.82 Max. :364.00 Max. :32.41
##
## RankSFPts SGPts RankSGPts PGPts
## Min. : 1.00 Min. :11.43 Min. : 1.00 Min. :11.03
## 1st Qu.: 91.75 1st Qu.:18.13 1st Qu.: 91.75 1st Qu.:17.55
## Median :182.50 Median :20.45 Median :182.50 Median :19.89
## Mean :182.50 Mean :20.54 Mean :182.50 Mean :20.44
## 3rd Qu.:273.25 3rd Qu.:22.57 3rd Qu.:273.25 3rd Qu.:23.33
## Max. :364.00 Max. :31.00 Max. :364.00 Max. :32.81
##
## RankPGPts CenterOR RankCenterOR PFOR
## Min. : 1.00 Min. :10.84 Min. : 1.00 Min. : 9.40
## 1st Qu.: 91.75 1st Qu.:30.57 1st Qu.: 91.75 1st Qu.:21.14
## Median :182.50 Median :35.84 Median :182.50 Median :25.95
## Mean :182.50 Mean :35.67 Mean :182.50 Mean :26.10
## 3rd Qu.:273.25 3rd Qu.:40.36 3rd Qu.:273.25 3rd Qu.:30.48
## Max. :364.00 Max. :61.59 Max. :364.00 Max. :43.91
##
## RankPFOR SFOR RankSFOR SGOR
## Min. : 1.00 Min. : 4.30 Min. : 1.00 Min. : 2.920
## 1st Qu.: 91.75 1st Qu.:13.19 1st Qu.: 91.75 1st Qu.: 8.057
## Median :182.50 Median :17.59 Median :182.50 Median :10.805
## Mean :182.50 Mean :17.70 Mean :182.50 Mean :11.399
## 3rd Qu.:273.25 3rd Qu.:21.44 3rd Qu.:273.25 3rd Qu.:14.127
## Max. :364.00 Max. :40.68 Max. :364.00 Max. :32.340
##
## RankSGOR PGOR RankPGOR CenterDR
## Min. : 1.00 Min. : 2.870 Min. : 1.00 Min. :13.78
## 1st Qu.: 91.75 1st Qu.: 6.285 1st Qu.: 91.75 1st Qu.:22.79
## Median :182.50 Median : 8.320 Median :182.50 Median :25.74
## Mean :182.50 Mean : 9.078 Mean :182.50 Mean :25.99
## 3rd Qu.:273.25 3rd Qu.:11.280 3rd Qu.:273.25 3rd Qu.:28.89
## Max. :364.00 Max. :24.230 Max. :364.00 Max. :39.51
##
## RankCenterDR PFDR RankPFDR SFDR
## Min. : 1.00 Min. :13.39 Min. : 1.00 Min. :10.74
## 1st Qu.: 91.75 1st Qu.:20.52 1st Qu.: 91.75 1st Qu.:16.61
## Median :182.50 Median :23.26 Median :182.50 Median :19.02
## Mean :182.50 Mean :23.27 Mean :182.50 Mean :19.44
## 3rd Qu.:273.25 3rd Qu.:25.79 3rd Qu.:273.25 3rd Qu.:21.85
## Max. :364.00 Max. :37.11 Max. :364.00 Max. :34.41
##
## RankSFDR SGDR RankSGDR PGDR
## Min. : 1.00 Min. : 8.03 Min. : 1.00 Min. : 7.71
## 1st Qu.: 91.75 1st Qu.:14.22 1st Qu.: 91.75 1st Qu.:12.60
## Median :182.50 Median :16.24 Median :182.50 Median :14.26
## Mean :182.50 Mean :16.52 Mean :182.50 Mean :14.74
## 3rd Qu.:273.25 3rd Qu.:18.64 3rd Qu.:273.25 3rd Qu.:16.51
## Max. :364.00 Max. :28.87 Max. :364.00 Max. :23.48
##
## RankPGDR Net.Rating Net.Rating.Rank Mapped.Conference.Name
## Min. : 1.00 Min. : -42.20000 Min. : 1 Length:364
## 1st Qu.: 91.75 1st Qu.: -9.30000 1st Qu.:2205 Class :character
## Median :182.50 Median : -1.75000 Median :4422 Mode :character
## Mean :182.50 Mean : -0.00192 Mean :4227
## 3rd Qu.:273.25 3rd Qu.: 7.60000 3rd Qu.:6394
## Max. :364.00 Max. : 38.00000 Max. :8313
##
## Mapped.ESPN.Team.Name Current.Coach Full.Team.Name Since
## Length:364 Length:364 Length:364 Min. :198485
## Class :character Class :character Class :character 1st Qu.:201819
## Mode :character Mode :character Mode :character Median :202122
## Mean :201946
## 3rd Qu.:202324
## Max. :202425
##
## Active.Coaching.Length Active.Coaching.Length.Index Seed
## Length:364 Min. : 1.000 Min. :0
## Class :character 1st Qu.: 2.000 1st Qu.:0
## Mode :character Median : 4.000 Median :0
## Mean : 5.742 Mean :0
## 3rd Qu.: 7.000 3rd Qu.:0
## Max. :40.000 Max. :0
##

```

```
##      Region      Post.Season.Tournament Post.Season.Tournament.Sorting.Index
## Length:364      Length:364              Min.      :5
## Class :character Class :character        1st Qu.:5
## Mode  :character Mode  :character        Median :5
##                                           Mean   :5
##                                           3rd Qu.:5
##                                           Max.   :5
##
## Top.12.in.AP.Top.25.During.Week.6.
## Length:364
## Class :character
## Mode  :character
##
##
##
##
```

```
df %>% filter(Season == 2025) %>%
  select(Seed, AdjEM, Net.Rating, AdjOE, Adjusted.Offensive.Efficiency,
         Raw.Offensive.Efficiency, OE, eFGPct, FG2Pct, FG3Pct, ORPct,
         FTRate, BlockPct, Experience, ARate, StlRate, DFP,
         Avg.Possession.Length..Defense., FTPct, EffectiveHeight,
         OffFT, Def2PtFG)
```

| ## | Seed | AdjEM | Net.Rating | AdjOE | Adjusted.Offensive.Efficiency |
|-------|------|------------|------------|----------|-------------------------------|
| ## 1 | 0 | 38.0870000 | 38.0 | 128.1000 | 128.1 |
| ## 2 | 0 | 35.5678000 | 35.6 | 128.7340 | 128.8 |
| ## 3 | 0 | 35.3956000 | 35.4 | 123.5060 | 123.6 |
| ## 4 | 0 | 34.8972000 | 34.9 | 127.2930 | 127.3 |
| ## 5 | 0 | 30.9073000 | 30.9 | 119.6780 | 119.7 |
| ## 6 | 0 | 30.6962000 | 30.7 | 126.8450 | 126.9 |
| ## 7 | 0 | 28.0678000 | 28.1 | 125.3140 | 125.4 |
| ## 8 | 0 | 27.8208000 | 27.8 | 118.1550 | 118.2 |
| ## 9 | 0 | 27.3128000 | 27.3 | 123.6340 | 123.7 |
| ## 10 | 0 | 27.0189000 | 27.0 | 119.4790 | 119.5 |
| ## 11 | 0 | 26.5985000 | 26.6 | 117.9780 | 118.0 |
| ## 12 | 0 | 26.2714000 | 26.3 | 123.1450 | 123.2 |
| ## 13 | 0 | 25.9166000 | 25.9 | 113.5490 | 113.6 |
| ## 14 | 0 | 25.8199000 | 25.8 | 122.8420 | 122.9 |
| ## 15 | 0 | 24.3634000 | 24.3 | 125.3780 | 125.4 |
| ## 16 | 0 | 24.3129000 | 24.3 | 123.9260 | 124.0 |
| ## 17 | 0 | 24.0850000 | 24.1 | 116.3100 | 116.4 |
| ## 18 | 0 | 23.9511000 | 23.9 | 118.6960 | 118.7 |
| ## 19 | 0 | 23.8541000 | 23.9 | 124.2140 | 124.3 |
| ## 20 | 0 | 23.6288000 | 23.6 | 121.6910 | 121.7 |
| ## 21 | 0 | 23.2751000 | 23.3 | 116.0110 | 116.1 |
| ## 22 | 0 | 23.1346000 | 23.1 | 115.3610 | 115.4 |
| ## 23 | 0 | 22.6862000 | 22.6 | 118.3040 | 118.3 |
| ## 24 | 0 | 22.3941000 | 22.4 | 123.0330 | 123.1 |
| ## 25 | 0 | 22.0957000 | 22.1 | 117.9130 | 118.0 |
| ## 26 | 0 | 21.8146000 | 21.8 | 116.8550 | 116.9 |
| ## 27 | 0 | 21.5565000 | 21.6 | 117.7160 | 117.8 |
| ## 28 | 0 | 21.6445000 | 21.6 | 116.4940 | 116.5 |
| ## 29 | 0 | 21.1228000 | 21.1 | 120.8430 | 120.9 |
| ## 30 | 0 | 20.8522000 | 20.9 | 116.8230 | 116.9 |
| ## 31 | 0 | 20.1248000 | 20.2 | 118.8210 | 118.9 |
| ## 32 | 0 | 20.2130000 | 20.2 | 116.7020 | 116.7 |
| ## 33 | 0 | 19.5556000 | 19.6 | 118.9320 | 119.0 |
| ## 34 | 0 | 19.3599000 | 19.4 | 122.0080 | 122.1 |
| ## 35 | 0 | 19.3133000 | 19.3 | 115.4940 | 115.5 |
| ## 36 | 0 | 19.1372000 | 19.1 | 117.0450 | 117.1 |
| ## 37 | 0 | 18.3544000 | 18.3 | 117.6730 | 117.7 |
| ## 38 | 0 | 18.3331000 | 18.3 | 119.0520 | 119.1 |
| ## 39 | 0 | 18.2159000 | 18.2 | 114.9720 | 115.0 |
| ## 40 | 0 | 17.6828000 | 17.7 | 112.9620 | 113.0 |
| ## 41 | 0 | 17.3591000 | 17.4 | 112.5270 | 112.6 |
| ## 42 | 0 | 17.1723000 | 17.2 | 115.4670 | 115.5 |
| ## 43 | 0 | 17.1603000 | 17.1 | 116.7700 | 116.8 |
| ## 44 | 0 | 16.7361000 | 16.7 | 116.6800 | 116.7 |
| ## 45 | 0 | 16.6140000 | 16.6 | 116.1270 | 116.2 |
| ## 46 | 0 | 16.4687000 | 16.5 | 113.9390 | 114.0 |
| ## 47 | 0 | 16.3105000 | 16.3 | 109.8360 | 109.9 |
| ## 48 | 0 | 16.2098000 | 16.2 | 113.6720 | 113.7 |
| ## 49 | 0 | 16.1756000 | 16.2 | 116.6420 | 116.7 |
| ## 50 | 0 | 16.1469000 | 16.2 | 118.0150 | 118.1 |
| ## 51 | 0 | 15.5771000 | 15.6 | 113.5580 | 113.6 |
| ## 52 | 0 | 15.2222000 | 15.2 | 120.7520 | 120.8 |

| | | | | | |
|--------|---|------------|------|----------|-------|
| ## 53 | 0 | 15.1114000 | 15.1 | 109.0600 | 109.1 |
| ## 54 | 0 | 14.7999000 | 14.8 | 110.5600 | 110.6 |
| ## 55 | 0 | 14.8920000 | 14.8 | 113.3060 | 113.3 |
| ## 56 | 0 | 14.2735000 | 14.3 | 118.3190 | 118.4 |
| ## 57 | 0 | 14.1620000 | 14.2 | 115.9120 | 116.0 |
| ## 58 | 0 | 14.1483000 | 14.1 | 112.6550 | 112.7 |
| ## 59 | 0 | 13.7314000 | 13.7 | 114.3400 | 114.4 |
| ## 60 | 0 | 13.6804000 | 13.6 | 114.7070 | 114.7 |
| ## 61 | 0 | 13.6356000 | 13.6 | 115.6940 | 115.7 |
| ## 62 | 0 | 13.1925000 | 13.2 | 111.8720 | 111.9 |
| ## 63 | 0 | 12.9857000 | 13.0 | 116.6910 | 116.7 |
| ## 64 | 0 | 12.8452000 | 12.9 | 107.7230 | 107.8 |
| ## 65 | 0 | 12.8603000 | 12.8 | 119.6050 | 119.6 |
| ## 66 | 0 | 12.7306000 | 12.7 | 111.7640 | 111.8 |
| ## 67 | 0 | 12.1760000 | 12.2 | 109.4110 | 109.5 |
| ## 68 | 0 | 12.0202000 | 12.0 | 110.2500 | 110.3 |
| ## 69 | 0 | 11.5973000 | 11.6 | 115.4230 | 115.5 |
| ## 70 | 0 | 11.4319000 | 11.4 | 110.4950 | 110.5 |
| ## 71 | 0 | 11.2088000 | 11.2 | 112.5560 | 112.6 |
| ## 72 | 0 | 11.1674000 | 11.1 | 108.1960 | 108.2 |
| ## 73 | 0 | 11.0120000 | 11.0 | 115.6450 | 115.7 |
| ## 74 | 0 | 11.2770000 | 10.9 | 115.1980 | 114.5 |
| ## 75 | 0 | 10.6069000 | 10.7 | 112.4100 | 112.5 |
| ## 76 | 0 | 10.7534000 | 10.7 | 115.0550 | 115.1 |
| ## 77 | 0 | 10.5687000 | 10.6 | 116.1610 | 116.2 |
| ## 78 | 0 | 10.6084000 | 10.6 | 111.0840 | 111.1 |
| ## 79 | 0 | 9.9359800 | 9.9 | 112.7850 | 112.8 |
| ## 80 | 0 | 9.5208500 | 9.6 | 108.8200 | 108.9 |
| ## 81 | 0 | 9.5839900 | 9.6 | 105.3820 | 105.4 |
| ## 82 | 0 | 9.5046900 | 9.5 | 112.2140 | 112.3 |
| ## 83 | 0 | 9.4889600 | 9.4 | 112.7020 | 112.7 |
| ## 84 | 0 | 9.3095500 | 9.3 | 118.4450 | 118.5 |
| ## 85 | 0 | 9.3541000 | 9.3 | 116.3010 | 116.3 |
| ## 86 | 0 | 8.8133100 | 8.9 | 105.8140 | 105.9 |
| ## 87 | 0 | 8.8274500 | 8.8 | 108.3840 | 108.4 |
| ## 88 | 0 | 8.6261700 | 8.6 | 109.0710 | 109.1 |
| ## 89 | 0 | 8.5076700 | 8.5 | 110.1630 | 110.2 |
| ## 90 | 0 | 8.3959500 | 8.4 | 108.8150 | 108.9 |
| ## 91 | 0 | 7.9452200 | 7.9 | 110.1640 | 110.2 |
| ## 92 | 0 | 7.5136600 | 7.5 | 107.5520 | 107.6 |
| ## 93 | 0 | 7.1323700 | 7.2 | 107.7220 | 107.8 |
| ## 94 | 0 | 7.0829100 | 7.1 | 111.3350 | 111.4 |
| ## 95 | 0 | 7.1064000 | 7.1 | 111.5340 | 111.6 |
| ## 96 | 0 | 6.9251500 | 7.0 | 106.8240 | 106.9 |
| ## 97 | 0 | 6.9940300 | 7.0 | 112.1770 | 112.2 |
| ## 98 | 0 | 6.8653900 | 6.9 | 107.7180 | 107.8 |
| ## 99 | 0 | 6.6832600 | 6.7 | 113.3460 | 113.4 |
| ## 100 | 0 | 6.3424600 | 6.3 | 107.7580 | 107.8 |
| ## 101 | 0 | 5.8657800 | 5.9 | 109.9090 | 110.0 |
| ## 102 | 0 | 5.6291400 | 5.6 | 106.2810 | 106.3 |
| ## 103 | 0 | 5.2615900 | 5.3 | 110.7140 | 110.8 |
| ## 104 | 0 | 5.1507200 | 5.2 | 109.3330 | 109.4 |
| ## 105 | 0 | 5.1447000 | 5.2 | 112.3430 | 112.4 |
| ## 106 | 0 | 5.0834300 | 5.1 | 109.1070 | 109.2 |
| ## 107 | 0 | 5.0453200 | 5.0 | 109.1050 | 109.1 |
| ## 108 | 0 | 4.9035800 | 4.9 | 115.1950 | 115.2 |
| ## 109 | 0 | 4.9056100 | 4.9 | 111.9920 | 112.0 |
| ## 110 | 0 | 4.8832400 | 4.9 | 117.1800 | 117.2 |
| ## 111 | 0 | 4.9054400 | 4.9 | 107.7530 | 107.8 |
| ## 112 | 0 | 4.7924700 | 4.8 | 106.0580 | 106.1 |
| ## 113 | 0 | 4.6501900 | 4.7 | 111.3510 | 111.4 |
| ## 114 | 0 | 4.5960000 | 4.6 | 108.0280 | 108.1 |
| ## 115 | 0 | 4.4416600 | 4.5 | 112.3180 | 112.4 |
| ## 116 | 0 | 4.4015000 | 4.4 | 112.6150 | 112.7 |
| ## 117 | 0 | 4.3926600 | 4.4 | 110.4290 | 110.5 |
| ## 118 | 0 | 4.3573700 | 4.4 | 109.7160 | 109.8 |
| ## 119 | 0 | 4.2618600 | 4.3 | 109.1100 | 109.2 |
| ## 120 | 0 | 4.2784800 | 4.3 | 109.1760 | 109.2 |
| ## 121 | 0 | 4.1461700 | 4.1 | 113.6840 | 113.7 |
| ## 122 | 0 | 4.1051700 | 4.1 | 107.4720 | 107.5 |
| ## 123 | 0 | 4.0352100 | 4.0 | 112.0760 | 112.1 |
| ## 124 | 0 | 3.9229500 | 3.9 | 111.6790 | 111.7 |
| ## 125 | 0 | 3.6893900 | 3.7 | 108.9750 | 109.0 |
| ## 126 | 0 | 3.7730800 | 3.7 | 107.6030 | 107.6 |
| ## 127 | 0 | 3.4740200 | 3.5 | 113.6570 | 113.7 |
| ## 128 | 0 | 3.3768200 | 3.4 | 112.3640 | 112.4 |
| ## 129 | 0 | 3.1255900 | 3.2 | 107.1270 | 107.2 |
| ## 130 | 0 | 2.8796800 | 2.9 | 106.1430 | 106.2 |
| ## 131 | 0 | 2.9483900 | 2.9 | 104.3710 | 104.4 |

| | | | | |
|--------|---|------------|---------------|-------|
| ## 132 | 0 | 2.8158700 | 2.8 113.8720 | 114.0 |
| ## 133 | 0 | 2.8033600 | 2.8 115.4510 | 115.5 |
| ## 134 | 0 | 2.7407500 | 2.8 109.7220 | 109.8 |
| ## 135 | 0 | 2.6919900 | 2.7 106.7840 | 106.8 |
| ## 136 | 0 | 2.6773500 | 2.7 105.5410 | 105.6 |
| ## 137 | 0 | 2.2944500 | 2.3 109.6400 | 109.7 |
| ## 138 | 0 | 2.0654000 | 2.1 107.0420 | 107.1 |
| ## 139 | 0 | 1.9335900 | 2.0 111.9090 | 112.0 |
| ## 140 | 0 | 1.8847700 | 1.9 106.8100 | 106.9 |
| ## 141 | 0 | 1.8988900 | 1.9 106.4470 | 106.5 |
| ## 142 | 0 | 1.7621500 | 1.8 107.3090 | 107.4 |
| ## 143 | 0 | 1.7744100 | 1.8 107.2070 | 107.3 |
| ## 144 | 0 | 1.5757600 | 1.6 104.1670 | 104.2 |
| ## 145 | 0 | 1.6392200 | 1.6 108.5680 | 108.6 |
| ## 146 | 0 | 1.5396200 | 1.5 109.7580 | 109.8 |
| ## 147 | 0 | 1.5742900 | 1.5 110.1870 | 110.2 |
| ## 148 | 0 | 1.5533800 | 1.5 108.7950 | 108.8 |
| ## 149 | 0 | 0.8920900 | 0.8 108.1890 | 108.2 |
| ## 150 | 0 | 0.6839980 | 0.7 106.8380 | 106.9 |
| ## 151 | 0 | 0.6553720 | 0.7 110.4050 | 110.5 |
| ## 152 | 0 | 0.6294560 | 0.6 107.3640 | 107.4 |
| ## 153 | 0 | 0.6398740 | 0.6 106.8620 | 106.9 |
| ## 154 | 0 | 0.6491780 | 0.6 106.1030 | 106.1 |
| ## 155 | 0 | 0.5345050 | 0.6 104.2070 | 104.3 |
| ## 156 | 0 | 0.5195660 | 0.5 111.0990 | 111.1 |
| ## 157 | 0 | 0.3988520 | 0.4 110.8460 | 110.9 |
| ## 158 | 0 | 0.4037920 | 0.4 105.3600 | 105.4 |
| ## 159 | 0 | 0.2520810 | 0.3 106.0190 | 106.1 |
| ## 160 | 0 | 0.2978010 | 0.3 103.4500 | 103.5 |
| ## 161 | 0 | 0.1885150 | 0.2 106.4520 | 106.5 |
| ## 162 | 0 | 0.0712060 | 0.1 110.5170 | 110.6 |
| ## 163 | 0 | -0.0479318 | 0.0 108.3550 | 108.4 |
| ## 164 | 0 | -0.0956877 | -0.1 107.3200 | 107.4 |
| ## 165 | 0 | -0.1774880 | -0.1 102.0220 | 102.1 |
| ## 166 | 0 | -0.0790135 | -0.1 109.0510 | 109.1 |
| ## 167 | 0 | -0.3128590 | -0.3 105.9200 | 106.0 |
| ## 168 | 0 | -0.4022660 | -0.4 103.7160 | 103.8 |
| ## 169 | 0 | -0.5613490 | -0.5 101.1100 | 101.2 |
| ## 170 | 0 | -0.5206240 | -0.5 106.3330 | 106.4 |
| ## 171 | 0 | -0.5796720 | -0.5 110.0160 | 110.1 |
| ## 172 | 0 | -0.6879730 | -0.7 108.1620 | 108.2 |
| ## 173 | 0 | -0.7746440 | -0.8 105.6790 | 105.7 |
| ## 174 | 0 | -0.8389680 | -0.9 106.9850 | 107.0 |
| ## 175 | 0 | -0.9645930 | -1.0 110.3930 | 110.4 |
| ## 176 | 0 | -1.1499700 | -1.1 106.8450 | 106.9 |
| ## 177 | 0 | -1.3189800 | -1.3 107.1740 | 107.2 |
| ## 178 | 0 | -1.6243100 | -1.4 105.8440 | 105.5 |
| ## 179 | 0 | -1.4615700 | -1.5 101.7550 | 101.8 |
| ## 180 | 0 | -1.5756200 | -1.6 109.5870 | 109.6 |
| ## 181 | 0 | -1.5961300 | -1.6 107.5770 | 107.6 |
| ## 182 | 0 | -1.7415300 | -1.7 105.4410 | 105.5 |
| ## 183 | 0 | -1.7444000 | -1.8 99.7977 | 99.8 |
| ## 184 | 0 | -1.7227600 | -1.8 109.6910 | 109.7 |
| ## 185 | 0 | -2.0205600 | -2.0 105.3120 | 105.4 |
| ## 186 | 0 | -1.9818000 | -2.0 103.6010 | 103.6 |
| ## 187 | 0 | -2.0591200 | -2.1 103.9800 | 104.0 |
| ## 188 | 0 | -2.1717700 | -2.2 99.8644 | 99.9 |
| ## 189 | 0 | -2.2703600 | -2.3 106.3020 | 106.3 |
| ## 190 | 0 | -2.4056800 | -2.4 103.0640 | 103.1 |
| ## 191 | 0 | -2.4337800 | -2.5 107.1990 | 107.2 |
| ## 192 | 0 | -2.5299500 | -2.6 113.4940 | 113.5 |
| ## 193 | 0 | -2.7852500 | -2.7 100.4520 | 100.6 |
| ## 194 | 0 | -2.7432400 | -2.7 105.6490 | 105.7 |
| ## 195 | 0 | -2.8078900 | -2.8 104.5890 | 104.6 |
| ## 196 | 0 | -2.8415900 | -2.9 103.4820 | 103.5 |
| ## 197 | 0 | -2.9807300 | -3.0 107.4420 | 107.5 |
| ## 198 | 0 | -3.0045300 | -3.0 109.4200 | 109.5 |
| ## 199 | 0 | -3.1007900 | -3.1 105.3860 | 105.4 |
| ## 200 | 0 | -3.1040100 | -3.1 106.1270 | 106.2 |
| ## 201 | 0 | -3.0917800 | -3.1 109.0440 | 109.1 |
| ## 202 | 0 | -3.2179100 | -3.2 109.0760 | 109.1 |
| ## 203 | 0 | -3.2909300 | -3.3 106.2720 | 106.3 |
| ## 204 | 0 | -3.3018400 | -3.3 101.8930 | 101.9 |
| ## 205 | 0 | -3.2871000 | -3.3 102.1630 | 102.2 |
| ## 206 | 0 | -3.4535500 | -3.5 100.5780 | 100.6 |
| ## 207 | 0 | -3.4134500 | -3.5 98.7929 | 98.8 |
| ## 208 | 0 | -3.6352300 | -3.6 103.1780 | 103.3 |
| ## 209 | 0 | -3.6946600 | -3.7 103.6560 | 103.7 |
| ## 210 | 0 | -3.7861100 | -3.8 105.9650 | 106.0 |

| | | | | | |
|--------|---|-------------|-------|----------|-------|
| ## 211 | 0 | -3.8527400 | -3.8 | 100.7180 | 100.8 |
| ## 212 | 0 | -3.8609100 | -3.9 | 105.8620 | 105.9 |
| ## 213 | 0 | -3.8951300 | -3.9 | 105.9560 | 106.0 |
| ## 214 | 0 | -3.9953300 | -4.0 | 102.0370 | 102.1 |
| ## 215 | 0 | -4.1286400 | -4.1 | 102.3530 | 102.4 |
| ## 216 | 0 | -4.1151200 | -4.1 | 103.7620 | 103.8 |
| ## 217 | 0 | -4.2209300 | -4.2 | 106.4270 | 106.5 |
| ## 218 | 0 | -4.3278300 | -4.3 | 101.9340 | 102.0 |
| ## 219 | 0 | -4.4639500 | -4.5 | 97.7669 | 97.8 |
| ## 220 | 0 | -4.5478700 | -4.5 | 101.6500 | 101.7 |
| ## 221 | 0 | -4.4740000 | -4.5 | 97.9591 | 98.0 |
| ## 222 | 0 | -4.5951900 | -4.6 | 103.8110 | 103.8 |
| ## 223 | 0 | -4.6794900 | -4.6 | 109.4960 | 109.6 |
| ## 224 | 0 | -4.7387400 | -4.8 | 103.1990 | 103.2 |
| ## 225 | 0 | -4.9033700 | -4.9 | 102.7640 | 102.8 |
| ## 226 | 0 | -5.0382200 | -5.0 | 107.4580 | 107.5 |
| ## 227 | 0 | -5.0683400 | -5.1 | 99.1694 | 99.2 |
| ## 228 | 0 | -5.2773900 | -5.2 | 106.4210 | 106.5 |
| ## 229 | 0 | -5.2375500 | -5.2 | 102.6380 | 102.7 |
| ## 230 | 0 | -5.3020800 | -5.3 | 107.3210 | 107.4 |
| ## 231 | 0 | -5.4055800 | -5.4 | 104.5260 | 104.6 |
| ## 232 | 0 | -5.5760200 | -5.6 | 109.3750 | 109.4 |
| ## 233 | 0 | -5.7050800 | -5.7 | 102.6200 | 102.7 |
| ## 234 | 0 | -5.7104900 | -5.7 | 98.9492 | 99.0 |
| ## 235 | 0 | -5.8572100 | -5.8 | 100.4440 | 100.5 |
| ## 236 | 0 | -5.9584000 | -5.9 | 102.1190 | 102.2 |
| ## 237 | 0 | -5.8577100 | -5.9 | 108.4590 | 108.5 |
| ## 238 | 0 | -6.0255100 | -6.0 | 103.0620 | 103.1 |
| ## 239 | 0 | -6.0534600 | -6.1 | 106.3760 | 106.4 |
| ## 240 | 0 | -6.1248400 | -6.1 | 109.3120 | 109.4 |
| ## 241 | 0 | -6.1280200 | -6.1 | 112.1080 | 112.2 |
| ## 242 | 0 | -6.2315300 | -6.2 | 108.6340 | 108.7 |
| ## 243 | 0 | -6.1766000 | -6.2 | 104.7440 | 104.8 |
| ## 244 | 0 | -6.1815300 | -6.2 | 99.1762 | 99.2 |
| ## 245 | 0 | -6.2782800 | -6.3 | 101.0580 | 101.1 |
| ## 246 | 0 | -6.3889900 | -6.4 | 101.0580 | 101.1 |
| ## 247 | 0 | -6.5132000 | -6.5 | 97.1614 | 97.2 |
| ## 248 | 0 | -6.5769200 | -6.6 | 106.0470 | 106.1 |
| ## 249 | 0 | -6.5198100 | -6.6 | 104.2940 | 104.3 |
| ## 250 | 0 | -6.9891300 | -7.0 | 102.6530 | 102.7 |
| ## 251 | 0 | -7.2279500 | -7.3 | 99.4814 | 99.5 |
| ## 252 | 0 | -7.4083200 | -7.4 | 100.3250 | 100.4 |
| ## 253 | 0 | -7.4545300 | -7.4 | 102.8330 | 102.9 |
| ## 254 | 0 | -7.3342600 | -7.4 | 102.2040 | 102.2 |
| ## 255 | 0 | -7.5181900 | -7.5 | 96.6829 | 96.7 |
| ## 256 | 0 | -7.6475100 | -7.6 | 101.2790 | 101.4 |
| ## 257 | 0 | -7.6555200 | -7.7 | 100.8910 | 100.9 |
| ## 258 | 0 | -7.7779400 | -7.8 | 104.5510 | 104.6 |
| ## 259 | 0 | -7.9264300 | -7.9 | 109.5690 | 109.6 |
| ## 260 | 0 | -7.9323200 | -8.0 | 104.6830 | 104.7 |
| ## 261 | 0 | -8.0037600 | -8.0 | 98.2766 | 98.3 |
| ## 262 | 0 | -8.0130500 | -8.0 | 104.7450 | 104.8 |
| ## 263 | 0 | -8.0414000 | -8.1 | 99.2819 | 99.3 |
| ## 264 | 0 | -8.1430800 | -8.2 | 103.0780 | 103.1 |
| ## 265 | 0 | -8.2296000 | -8.2 | 106.4570 | 106.5 |
| ## 266 | 0 | -8.1427700 | -8.2 | 107.7830 | 107.8 |
| ## 267 | 0 | -8.5722600 | -8.5 | 103.9110 | 104.0 |
| ## 268 | 0 | -8.6215400 | -8.7 | 101.3970 | 101.4 |
| ## 269 | 0 | -8.9125900 | -8.9 | 105.8020 | 105.9 |
| ## 270 | 0 | -9.0408800 | -9.0 | 103.2530 | 103.3 |
| ## 271 | 0 | -9.1144200 | -9.1 | 97.1243 | 97.2 |
| ## 272 | 0 | -9.1361800 | -9.1 | 102.3480 | 102.4 |
| ## 273 | 0 | -9.2536500 | -9.3 | 101.8570 | 101.9 |
| ## 274 | 0 | -9.3369200 | -9.3 | 103.5170 | 103.6 |
| ## 275 | 0 | -9.4613800 | -9.4 | 107.3100 | 107.4 |
| ## 276 | 0 | -9.5526700 | -9.5 | 106.3820 | 106.5 |
| ## 277 | 0 | -9.5515000 | -9.5 | 95.1140 | 95.2 |
| ## 278 | 0 | -9.5977400 | -9.6 | 101.7850 | 101.8 |
| ## 279 | 0 | -9.5325300 | -9.6 | 100.5990 | 100.6 |
| ## 280 | 0 | -9.5919000 | -9.6 | 96.5850 | 96.6 |
| ## 281 | 0 | -9.7176100 | -9.7 | 104.3640 | 104.4 |
| ## 282 | 0 | -10.1975000 | -10.2 | 100.6950 | 100.7 |
| ## 283 | 0 | -10.3160000 | -10.3 | 100.1500 | 100.2 |
| ## 284 | 0 | -10.2547000 | -10.3 | 101.4710 | 101.5 |
| ## 285 | 0 | -10.4019000 | -10.4 | 94.8778 | 94.9 |
| ## 286 | 0 | -10.3799000 | -10.4 | 93.0954 | 93.1 |
| ## 287 | 0 | -10.5765000 | -10.6 | 97.2659 | 97.3 |
| ## 288 | 0 | -10.5539000 | -10.6 | 100.2760 | 100.3 |
| ## 289 | 0 | -10.6762000 | -10.7 | 98.1462 | 98.2 |

| | | | | | | | |
|--------|--------------------------|-------------|----------|----------|----------|----------|----------|
| ## 290 | 0 | -10.8797000 | -10.9 | 98.9854 | | 99.0 | |
| ## 291 | 0 | -10.9410000 | -10.9 | 103.9930 | | 104.1 | |
| ## 292 | 0 | -11.0011000 | -11.0 | 101.8000 | | 101.8 | |
| ## 293 | 0 | -11.0004000 | -11.0 | 101.7400 | | 101.8 | |
| ## 294 | 0 | -10.9858000 | -11.0 | 101.4690 | | 101.5 | |
| ## 295 | 0 | -11.1325000 | -11.1 | 98.2275 | | 98.3 | |
| ## 296 | 0 | -11.2611000 | -11.3 | 99.4562 | | 99.5 | |
| ## 297 | 0 | -11.4252000 | -11.4 | 94.9180 | | 95.0 | |
| ## 298 | 0 | -11.3268000 | -11.4 | 97.5930 | | 97.6 | |
| ## 299 | 0 | -11.3891000 | -11.4 | 106.5350 | | 106.6 | |
| ## 300 | 0 | -11.4415000 | -11.4 | 101.2270 | | 101.3 | |
| ## 301 | 0 | -11.7435000 | -11.8 | 101.8960 | | 101.9 | |
| ## 302 | 0 | -11.9895000 | -12.0 | 99.6903 | | 99.7 | |
| ## 303 | 0 | -12.0864000 | -12.1 | 101.8600 | | 101.9 | |
| ## 304 | 0 | -12.3016000 | -12.3 | 100.8490 | | 100.9 | |
| ## 305 | 0 | -12.2708000 | -12.3 | 99.0618 | | 99.1 | |
| ## 306 | 0 | -12.3601000 | -12.4 | 100.4770 | | 100.5 | |
| ## 307 | 0 | -12.5335000 | -12.5 | 101.6560 | | 101.7 | |
| ## 308 | 0 | -12.5341000 | -12.5 | 98.7324 | | 98.8 | |
| ## 309 | 0 | -12.5012000 | -12.5 | 98.3605 | | 98.4 | |
| ## 310 | 0 | -12.5417000 | -12.6 | 98.9677 | | 99.0 | |
| ## 311 | 0 | -12.7836000 | -12.8 | 99.7020 | | 99.7 | |
| ## 312 | 0 | -13.2474000 | -13.2 | 103.6260 | | 103.7 | |
| ## 313 | 0 | -13.2855000 | -13.3 | 101.6970 | | 101.7 | |
| ## 314 | 0 | -13.3703000 | -13.3 | 109.5250 | | 109.6 | |
| ## 315 | 0 | -13.3838000 | -13.4 | 93.5484 | | 93.6 | |
| ## 316 | 0 | -13.5110000 | -13.5 | 97.7500 | | 97.8 | |
| ## 317 | 0 | -13.8680000 | -13.8 | 98.8262 | | 98.9 | |
| ## 318 | 0 | -13.7174000 | -13.8 | 101.4960 | | 101.5 | |
| ## 319 | 0 | -13.8877000 | -13.9 | 101.8430 | | 101.9 | |
| ## 320 | 0 | -13.9624000 | -14.0 | 95.1470 | | 95.2 | |
| ## 321 | 0 | -14.1402000 | -14.1 | 101.1300 | | 101.2 | |
| ## 322 | 0 | -14.2390000 | -14.2 | 100.8380 | | 100.9 | |
| ## 323 | 0 | -14.3697000 | -14.3 | 102.7210 | | 102.8 | |
| ## 324 | 0 | -14.5143000 | -14.5 | 99.8903 | | 99.9 | |
| ## 325 | 0 | -14.6083000 | -14.7 | 97.6006 | | 97.6 | |
| ## 326 | 0 | -14.7821000 | -14.7 | 94.1183 | | 94.2 | |
| ## 327 | 0 | -14.8144000 | -14.8 | 97.6768 | | 97.7 | |
| ## 328 | 0 | -14.8983000 | -14.9 | 102.8860 | | 102.9 | |
| ## 329 | 0 | -15.0317000 | -15.0 | 100.4580 | | 100.5 | |
| ## 330 | 0 | -15.0785000 | -15.1 | 96.5379 | | 96.6 | |
| ## 331 | 0 | -15.4426000 | -15.5 | 101.6010 | | 101.6 | |
| ## 332 | 0 | -15.7260000 | -15.7 | 101.9080 | | 102.0 | |
| ## 333 | 0 | -15.9208000 | -16.0 | 98.1779 | | 98.2 | |
| ## 334 | 0 | -16.1027000 | -16.1 | 100.7350 | | 100.8 | |
| ## 335 | 0 | -16.4085000 | -16.4 | 97.0185 | | 97.1 | |
| ## 336 | 0 | -16.5489000 | -16.6 | 98.2845 | | 98.3 | |
| ## 337 | 0 | -17.0245000 | -17.1 | 95.0938 | | 95.1 | |
| ## 338 | 0 | -17.1165000 | -17.1 | 95.2680 | | 95.3 | |
| ## 339 | 0 | -17.5967000 | -17.5 | 96.3090 | | 96.4 | |
| ## 340 | 0 | -17.5288000 | -17.6 | 98.4002 | | 98.4 | |
| ## 341 | 0 | -17.6634000 | -17.7 | 103.7970 | | 103.8 | |
| ## 342 | 0 | -17.9327000 | -17.9 | 95.3580 | | 95.4 | |
| ## 343 | 0 | -17.8343000 | -17.9 | 98.7980 | | 98.8 | |
| ## 344 | 0 | -18.1466000 | -18.1 | 94.3442 | | 94.4 | |
| ## 345 | 0 | -18.0971000 | -18.1 | 92.2253 | | 92.3 | |
| ## 346 | 0 | -18.1656000 | -18.2 | 97.6939 | | 97.7 | |
| ## 347 | 0 | -18.2195000 | -18.2 | 99.0436 | | 99.1 | |
| ## 348 | 0 | -18.3530000 | -18.3 | 96.1254 | | 96.2 | |
| ## 349 | 0 | -18.3363000 | -18.3 | 99.3635 | | 99.4 | |
| ## 350 | 0 | -18.2857000 | -18.3 | 96.8984 | | 96.9 | |
| ## 351 | 0 | -18.3904000 | -18.4 | 93.9265 | | 94.0 | |
| ## 352 | 0 | -19.3017000 | -19.3 | 99.4075 | | 99.5 | |
| ## 353 | 0 | -20.2953000 | -20.3 | 93.2417 | | 93.3 | |
| ## 354 | 0 | -20.6378000 | -20.6 | 101.2190 | | 101.3 | |
| ## 355 | 0 | -21.5507000 | -21.5 | 93.8358 | | 93.9 | |
| ## 356 | 0 | -21.7971000 | -21.8 | 94.9736 | | 95.0 | |
| ## 357 | 0 | -22.1468000 | -22.1 | 95.5533 | | 95.6 | |
| ## 358 | 0 | -22.6702000 | -22.7 | 95.7733 | | 95.8 | |
| ## 359 | 0 | -22.9138000 | -23.0 | 99.0013 | | 99.0 | |
| ## 360 | 0 | -23.5544000 | -23.6 | 91.9958 | | 92.0 | |
| ## 361 | 0 | -24.3182000 | -24.3 | 87.3312 | | 87.4 | |
| ## 362 | 0 | -24.3209000 | -24.4 | 91.8903 | | 91.9 | |
| ## 363 | 0 | -26.1062000 | -26.1 | 95.0210 | | 95.1 | |
| ## 364 | 0 | -42.2232000 | -42.2 | 82.5490 | | 82.6 | |
| ## | Raw.Offensive.Efficiency | | OE | eFGPct | FG2Pct | FG3Pct | ORPct |
| ## 1 | | 124.6 | 124.5680 | 57.44898 | 58.13953 | 37.74011 | 35.42260 |
| ## 2 | | 121.5 | 121.5000 | 55.94636 | 56.26598 | 36.98630 | 34.59062 |
| ## 3 | | 117.1 | 117.1370 | 52.76058 | 49.13522 | 39.78979 | 36.49374 |

| | | | | | | |
|-------|-------|----------|----------|----------|----------|----------|
| ## 4 | 119.8 | 119.8460 | 54.99022 | 56.57093 | 35.30726 | 38.20225 |
| ## 5 | 114.1 | 114.1070 | 52.92350 | 54.01530 | 34.31122 | 35.91954 |
| ## 6 | 119.2 | 119.1550 | 56.55658 | 59.85599 | 35.12658 | 34.99157 |
| ## 7 | 119.9 | 119.8830 | 55.45546 | 54.33996 | 37.89238 | 34.25760 |
| ## 8 | 112.7 | 112.7200 | 51.29151 | 53.91850 | 30.59581 | 35.76779 |
| ## 9 | 121.2 | 121.2390 | 55.71429 | 57.76664 | 34.42390 | 32.68379 |
| ## 10 | 113.8 | 113.8200 | 54.56204 | 55.07845 | 35.78501 | 32.16981 |
| ## 11 | 115.1 | 115.1100 | 53.90071 | 52.71013 | 37.37518 | 31.52174 |
| ## 12 | 117.1 | 117.0990 | 54.58055 | 55.45723 | 35.74514 | 28.25688 |
| ## 13 | 109.9 | 109.9130 | 49.44496 | 51.43238 | 29.95461 | 37.46106 |
| ## 14 | 116.0 | 115.9750 | 53.00995 | 55.25915 | 32.52149 | 36.26667 |
| ## 15 | 120.4 | 120.3670 | 56.19748 | 56.73250 | 36.96203 | 33.73272 |
| ## 16 | 116.9 | 116.9230 | 56.00098 | 55.94937 | 37.38208 | 28.68217 |
| ## 17 | 109.4 | 109.4030 | 47.47264 | 47.99666 | 31.06796 | 42.04545 |
| ## 18 | 115.1 | 115.0720 | 53.63171 | 52.32558 | 37.15047 | 33.72835 |
| ## 19 | 117.0 | 117.0290 | 56.33387 | 55.50737 | 38.45070 | 30.96647 |
| ## 20 | 115.1 | 115.1200 | 52.31898 | 57.27029 | 31.14919 | 36.00668 |
| ## 21 | 109.0 | 109.0040 | 53.14496 | 53.36323 | 35.15065 | 30.41958 |
| ## 22 | 114.9 | 114.8610 | 50.86842 | 51.81675 | 32.64984 | 40.52111 |
| ## 23 | 113.9 | 113.8800 | 53.65916 | 57.32673 | 33.15678 | 32.04225 |
| ## 24 | 117.2 | 117.2040 | 57.18274 | 58.64440 | 37.07983 | 33.30300 |
| ## 25 | 110.7 | 110.6940 | 51.08422 | 51.01180 | 34.12798 | 25.35446 |
| ## 26 | 112.4 | 112.3950 | 52.96816 | 53.08017 | 35.17964 | 32.82876 |
| ## 27 | 112.2 | 112.2130 | 52.03488 | 54.91434 | 32.46073 | 30.11647 |
| ## 28 | 110.5 | 110.4860 | 55.04315 | 58.55263 | 33.54430 | 33.04598 |
| ## 29 | 113.2 | 113.1970 | 51.54127 | 51.22378 | 34.67532 | 35.57348 |
| ## 30 | 115.9 | 115.8920 | 52.52824 | 54.12844 | 33.82688 | 37.01707 |
| ## 31 | 113.2 | 113.1520 | 51.74224 | 55.16956 | 31.37698 | 34.07643 |
| ## 32 | 110.0 | 110.0170 | 52.24806 | 53.03030 | 34.00268 | 30.55304 |
| ## 33 | 113.5 | 113.4880 | 54.17062 | 54.85327 | 35.33931 | 29.21635 |
| ## 34 | 118.1 | 118.1480 | 55.53496 | 57.28782 | 35.44776 | 35.57505 |
| ## 35 | 110.2 | 110.1520 | 52.51381 | 53.84615 | 33.48348 | 36.10315 |
| ## 36 | 111.3 | 111.2560 | 56.00962 | 60.56782 | 34.20195 | 26.88275 |
| ## 37 | 111.9 | 111.8560 | 53.52972 | 52.55537 | 36.76056 | 28.97727 |
| ## 38 | 112.6 | 112.5810 | 54.94297 | 54.57944 | 36.96498 | 26.46776 |
| ## 39 | 116.5 | 116.5360 | 55.28684 | 56.01336 | 36.36364 | 25.67308 |
| ## 40 | 107.9 | 107.9310 | 52.73153 | 54.35855 | 33.28612 | 27.56120 |
| ## 41 | 108.7 | 108.6910 | 50.77153 | 50.62362 | 34.05573 | 31.54907 |
| ## 42 | 111.6 | 111.5840 | 53.90539 | 51.31810 | 38.82353 | 25.19763 |
| ## 43 | 112.9 | 112.9030 | 52.53479 | 51.80908 | 35.90463 | 29.78541 |
| ## 44 | 113.2 | 113.2060 | 52.23543 | 56.44841 | 31.09354 | 33.33333 |
| ## 45 | 112.5 | 112.5460 | 55.80504 | 56.97897 | 36.15385 | 26.52860 |
| ## 46 | 108.1 | 108.1400 | 49.76935 | 49.68847 | 33.28336 | 31.17444 |
| ## 47 | 105.0 | 104.9840 | 50.66626 | 51.64835 | 32.76923 | 29.34010 |
| ## 48 | 107.7 | 107.7430 | 51.13039 | 52.59843 | 32.12025 | 31.49819 |
| ## 49 | 115.3 | 115.2970 | 54.67866 | 53.72425 | 37.62811 | 36.72014 |
| ## 50 | 113.0 | 113.0400 | 51.66751 | 53.59256 | 32.53769 | 32.15821 |
| ## 51 | 111.3 | 111.2810 | 54.10923 | 52.35435 | 38.38863 | 34.22509 |
| ## 52 | 118.7 | 118.7000 | 55.99241 | 57.70677 | 35.76923 | 34.62264 |
| ## 53 | 102.6 | 102.6410 | 49.97286 | 50.85599 | 32.62662 | 25.87601 |
| ## 54 | 106.3 | 106.2620 | 50.88250 | 52.64874 | 32.01058 | 32.28895 |
| ## 55 | 107.6 | 107.6090 | 51.55815 | 53.30317 | 32.51445 | 26.78571 |
| ## 56 | 115.6 | 115.6380 | 54.85464 | 51.11759 | 39.79849 | 30.15717 |
| ## 57 | 114.5 | 114.5080 | 55.50761 | 54.62345 | 37.67644 | 32.82236 |
| ## 58 | 113.3 | 113.2930 | 53.82372 | 54.56410 | 35.03521 | 36.04520 |
| ## 59 | 114.4 | 114.3870 | 53.27314 | 53.16682 | 35.63748 | 34.67049 |
| ## 60 | 111.2 | 111.2210 | 54.07366 | 55.59441 | 34.25926 | 28.61357 |
| ## 61 | 112.4 | 112.4160 | 52.21502 | 52.44240 | 34.59530 | 29.04718 |
| ## 62 | 111.0 | 110.9870 | 58.03188 | 57.59717 | 39.00256 | 19.24324 |
| ## 63 | 110.3 | 110.3250 | 54.56744 | 54.27632 | 36.74419 | 28.22026 |
| ## 64 | 107.7 | 107.7240 | 51.94414 | 51.17253 | 35.60127 | 28.61244 |
| ## 65 | 114.9 | 114.8580 | 56.75545 | 56.56814 | 38.01653 | 25.13181 |
| ## 66 | 110.1 | 110.1130 | 53.04090 | 54.67557 | 33.95062 | 29.00627 |
| ## 67 | 103.6 | 103.6430 | 50.59187 | 51.80723 | 32.52241 | 29.40156 |
| ## 68 | 111.8 | 111.7850 | 52.26658 | 51.14007 | 36.08618 | 32.49139 |
| ## 69 | 107.5 | 107.5320 | 49.36954 | 48.63749 | 33.60752 | 32.37868 |
| ## 70 | 103.8 | 103.8410 | 48.87608 | 49.81096 | 31.61004 | 30.35714 |
| ## 71 | 104.1 | 104.1360 | 51.44336 | 49.80952 | 35.75064 | 25.17857 |
| ## 72 | 103.5 | 103.5160 | 49.35466 | 52.94627 | 28.50318 | 26.79245 |
| ## 73 | 112.2 | 112.1750 | 52.61344 | 52.11946 | 35.56188 | 29.59685 |
| ## 74 | 117.1 | 117.8700 | 54.73949 | 53.54839 | 38.18898 | 33.86912 |
| ## 75 | 108.3 | 108.3060 | 51.71414 | 53.89671 | 32.61131 | 34.92741 |
| ## 76 | 108.9 | 108.8520 | 50.56730 | 51.29450 | 32.85917 | 30.78246 |
| ## 77 | 109.5 | 109.5400 | 53.04610 | 51.71773 | 36.64430 | 26.44860 |
| ## 78 | 110.1 | 110.1260 | 52.53623 | 53.27553 | 34.45190 | 29.84155 |
| ## 79 | 110.4 | 110.4450 | 53.72549 | 55.28674 | 34.08072 | 27.42090 |
| ## 80 | 101.9 | 101.8790 | 50.56787 | 51.89655 | 32.22061 | 28.92112 |
| ## 81 | 105.5 | 105.5250 | 51.59314 | 51.48042 | 34.52991 | 32.06967 |
| ## 82 | 109.2 | 109.2100 | 50.43837 | 50.00000 | 34.03727 | 31.05862 |

| | | | | | | |
|--------|-------|----------|----------|----------|----------|----------|
| ## 83 | 115.5 | 115.4880 | 55.91635 | 56.69456 | 36.70151 | 24.13108 |
| ## 84 | 121.3 | 121.3420 | 56.41581 | 57.37123 | 36.61581 | 33.98821 |
| ## 85 | 115.5 | 115.5290 | 54.58880 | 54.46097 | 36.54485 | 31.82819 |
| ## 86 | 100.3 | 100.2740 | 46.80000 | 47.75510 | 30.00000 | 33.01887 |
| ## 87 | 104.8 | 104.8240 | 50.44133 | 52.07297 | 31.80556 | 31.58829 |
| ## 88 | 104.8 | 104.8020 | 51.08753 | 55.21127 | 30.48780 | 29.46429 |
| ## 89 | 104.7 | 104.6610 | 49.86157 | 50.77855 | 32.15385 | 30.19713 |
| ## 90 | 105.4 | 105.3680 | 50.70729 | 52.33798 | 31.66397 | 29.69035 |
| ## 91 | 110.8 | 110.7850 | 49.26050 | 50.51635 | 31.79872 | 33.95349 |
| ## 92 | 104.8 | 104.8330 | 49.72618 | 49.62343 | 33.28051 | 27.27273 |
| ## 93 | 104.6 | 104.5590 | 50.35300 | 49.88142 | 34.12256 | 30.54852 |
| ## 94 | 108.0 | 107.9910 | 51.69402 | 50.80440 | 35.45198 | 29.63964 |
| ## 95 | 112.9 | 112.9380 | 56.78060 | 54.45920 | 40.00000 | 26.31058 |
| ## 96 | 107.1 | 107.1330 | 51.04972 | 52.95587 | 31.52709 | 32.58004 |
| ## 97 | 106.9 | 106.8550 | 52.12766 | 51.05105 | 35.61151 | 33.18057 |
| ## 98 | 108.6 | 108.5530 | 50.08523 | 53.86200 | 30.29151 | 38.58195 |
| ## 99 | 115.6 | 115.5640 | 55.49423 | 55.83104 | 36.72566 | 32.79279 |
| ## 100 | 101.0 | 101.0450 | 48.25613 | 48.02687 | 32.45342 | 30.98346 |
| ## 101 | 111.3 | 111.2550 | 55.47904 | 55.27544 | 37.22871 | 25.59834 |
| ## 102 | 105.6 | 105.6180 | 50.22371 | 51.89003 | 31.41026 | 28.03030 |
| ## 103 | 105.3 | 105.3060 | 52.65700 | 49.94720 | 37.51763 | 22.36025 |
| ## 104 | 107.4 | 107.3610 | 56.32689 | 59.78774 | 35.27357 | 23.62525 |
| ## 105 | 114.7 | 114.6690 | 52.21741 | 53.72881 | 33.03438 | 35.45706 |
| ## 106 | 109.4 | 109.4100 | 51.81670 | 51.48903 | 35.03521 | 35.42435 |
| ## 107 | 103.4 | 103.4460 | 50.61296 | 50.09074 | 34.36989 | 27.50965 |
| ## 108 | 115.3 | 115.3440 | 56.45798 | 57.48194 | 36.81592 | 25.77963 |
| ## 109 | 115.5 | 115.4500 | 51.72759 | 51.45929 | 34.82014 | 33.50427 |
| ## 110 | 117.8 | 117.8020 | 51.18402 | 50.80028 | 34.74576 | 38.48123 |
| ## 111 | 107.2 | 107.2370 | 53.33145 | 53.76344 | 35.16043 | 29.24710 |
| ## 112 | 106.8 | 106.7520 | 50.70340 | 51.57179 | 32.51418 | 30.93180 |
| ## 113 | 108.1 | 108.1490 | 47.80220 | 48.15409 | 31.48148 | 34.74510 |
| ## 114 | 107.6 | 107.6000 | 50.61418 | 53.21806 | 31.33333 | 32.14612 |
| ## 115 | 110.9 | 110.8750 | 53.21744 | 53.77932 | 34.92268 | 30.74890 |
| ## 116 | 113.7 | 113.7080 | 54.63945 | 53.97614 | 36.93182 | 34.61538 |
| ## 117 | 106.0 | 105.9970 | 51.04379 | 51.93036 | 32.81493 | 31.37931 |
| ## 118 | 105.2 | 105.1540 | 52.67394 | 53.33979 | 34.60246 | 27.22420 |
| ## 119 | 107.6 | 107.6110 | 49.56622 | 49.13400 | 33.54430 | 30.99134 |
| ## 120 | 106.3 | 106.3410 | 50.80386 | 52.92553 | 31.70732 | 30.65371 |
| ## 121 | 112.8 | 112.7820 | 53.27913 | 54.61140 | 34.54545 | 35.54545 |
| ## 122 | 108.6 | 108.6420 | 50.82353 | 53.57143 | 31.70103 | 28.33656 |
| ## 123 | 114.5 | 114.5000 | 57.34797 | 58.90909 | 36.53846 | 25.15658 |
| ## 124 | 109.5 | 109.4570 | 56.66492 | 57.99821 | 36.52393 | 31.30352 |
| ## 125 | 106.7 | 106.7450 | 52.50000 | 53.45572 | 34.09786 | 29.30283 |
| ## 126 | 105.2 | 105.1590 | 48.30367 | 48.34495 | 32.15385 | 28.83046 |
| ## 127 | 117.3 | 117.2670 | 57.80460 | 58.12236 | 38.29532 | 21.42857 |
| ## 128 | 111.6 | 111.6470 | 54.82478 | 52.93578 | 38.11149 | 27.18447 |
| ## 129 | 103.8 | 103.8210 | 49.31034 | 52.16017 | 30.59418 | 32.54494 |
| ## 130 | 103.8 | 103.7510 | 49.97185 | 49.20635 | 33.98438 | 32.93904 |
| ## 131 | 102.0 | 101.9540 | 46.17197 | 46.07477 | 30.89172 | 32.52896 |
| ## 132 | 115.5 | 115.5450 | 58.26693 | 60.38710 | 37.34610 | 26.01726 |
| ## 133 | 119.1 | 119.1100 | 58.23208 | 56.54450 | 39.79592 | 26.23491 |
| ## 134 | 112.6 | 112.5970 | 53.59179 | 54.51092 | 34.80742 | 33.63007 |
| ## 135 | 105.3 | 105.3490 | 48.74346 | 50.10973 | 30.20258 | 31.94444 |
| ## 136 | 107.0 | 107.0360 | 48.66738 | 50.42808 | 30.50847 | 35.74007 |
| ## 137 | 110.6 | 110.5770 | 53.59589 | 53.16901 | 36.00000 | 29.99054 |
| ## 138 | 110.1 | 110.1370 | 51.33745 | 50.73290 | 34.91620 | 35.25862 |
| ## 139 | 112.6 | 112.6320 | 56.02716 | 56.57328 | 36.94875 | 24.60317 |
| ## 140 | 109.5 | 109.5240 | 50.19966 | 48.87365 | 34.69945 | 35.65460 |
| ## 141 | 105.6 | 105.5590 | 49.40205 | 48.66920 | 33.66477 | 29.10584 |
| ## 142 | 109.9 | 109.8670 | 51.42777 | 53.10458 | 31.85053 | 39.82890 |
| ## 143 | 109.0 | 108.9780 | 50.66425 | 48.00839 | 36.18234 | 31.14428 |
| ## 144 | 102.1 | 102.0960 | 46.53524 | 46.29803 | 31.30148 | 29.87974 |
| ## 145 | 109.3 | 109.2760 | 52.08946 | 52.75362 | 34.03614 | 27.24551 |
| ## 146 | 108.7 | 108.7400 | 52.36134 | 53.27014 | 34.07311 | 24.35775 |
| ## 147 | 108.2 | 108.1610 | 49.50495 | 48.96116 | 33.49754 | 32.32498 |
| ## 148 | 109.8 | 109.8460 | 54.62754 | 52.36052 | 38.09524 | 27.57282 |
| ## 149 | 107.5 | 107.5070 | 52.80997 | 53.34572 | 34.61538 | 28.25670 |
| ## 150 | 109.8 | 109.7600 | 50.89374 | 51.26050 | 33.47518 | 34.02836 |
| ## 151 | 111.0 | 111.0450 | 51.14251 | 49.85836 | 35.59603 | 33.82789 |
| ## 152 | 110.2 | 110.1930 | 55.19304 | 54.06190 | 37.76398 | 27.60618 |
| ## 153 | 107.1 | 107.0900 | 47.94912 | 46.69421 | 33.37989 | 35.28919 |
| ## 154 | 107.4 | 107.3910 | 52.37092 | 51.75747 | 35.52632 | 26.54155 |
| ## 155 | 102.7 | 102.6870 | 50.27871 | 50.70159 | 33.10345 | 22.76576 |
| ## 156 | 112.5 | 112.4580 | 53.49087 | 52.49344 | 36.71766 | 29.15129 |
| ## 157 | 111.6 | 111.5860 | 56.36201 | 57.27788 | 36.52597 | 22.57019 |
| ## 158 | 103.0 | 102.9980 | 49.29619 | 47.69797 | 34.73344 | 25.35478 |
| ## 159 | 107.2 | 107.2380 | 52.77450 | 53.04420 | 34.74747 | 31.90429 |
| ## 160 | 100.4 | 100.4270 | 47.86486 | 48.02867 | 31.74387 | 23.52438 |
| ## 161 | 103.3 | 103.3430 | 51.23735 | 50.33050 | 35.04868 | 31.01145 |

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|--------|-------|----------|----------|----------|----------|----------|
| ## 162 | 109.9 | 109.9270 | 50.66054 | 50.00000 | 34.30750 | 32.00380 |
| ## 163 | 110.2 | 110.1550 | 53.30265 | 54.96049 | 33.75706 | 31.17904 |
| ## 164 | 103.7 | 103.6850 | 50.55340 | 49.10630 | 35.08065 | 26.81359 |
| ## 165 | 102.3 | 102.2610 | 47.24901 | 44.25676 | 35.57858 | 35.54758 |
| ## 166 | 111.5 | 111.5120 | 54.74352 | 53.95538 | 37.12213 | 22.02557 |
| ## 167 | 104.4 | 104.4430 | 48.27676 | 48.63344 | 31.74367 | 33.30442 |
| ## 168 | 105.2 | 105.2480 | 49.30636 | 49.57045 | 32.50883 | 34.50980 |
| ## 169 | 103.0 | 102.9560 | 49.71135 | 48.80174 | 34.00936 | 27.53479 |
| ## 170 | 108.1 | 108.1160 | 49.94650 | 50.97518 | 32.25371 | 32.95945 |
| ## 171 | 109.5 | 109.5390 | 49.91722 | 48.19277 | 35.80247 | 32.02555 |
| ## 172 | 110.2 | 110.1530 | 53.86313 | 54.07341 | 35.68345 | 29.97033 |
| ## 173 | 104.7 | 104.7310 | 48.10127 | 45.55749 | 34.97758 | 30.61578 |
| ## 174 | 105.7 | 105.7490 | 51.06762 | 51.07632 | 34.03614 | 30.01969 |
| ## 175 | 106.0 | 105.9830 | 51.00243 | 46.98318 | 38.26772 | 30.30000 |
| ## 176 | 107.9 | 107.9420 | 48.42499 | 49.29926 | 31.21212 | 33.82997 |
| ## 177 | 106.7 | 106.6990 | 50.13151 | 53.23610 | 30.59701 | 34.09290 |
| ## 178 | 106.0 | 106.4220 | 51.60494 | 49.94041 | 35.59539 | 26.39752 |
| ## 179 | 104.2 | 104.1510 | 50.13951 | 47.38176 | 37.00658 | 35.19395 |
| ## 180 | 107.3 | 107.2660 | 55.22212 | 55.99613 | 36.32163 | 27.60033 |
| ## 181 | 110.7 | 110.7300 | 52.61438 | 54.86799 | 31.21019 | 32.54565 |
| ## 182 | 102.4 | 102.3680 | 48.92325 | 47.56801 | 34.44816 | 28.83046 |
| ## 183 | 105.0 | 104.9900 | 52.18418 | 53.66516 | 32.93718 | 26.54127 |
| ## 184 | 110.8 | 110.7630 | 49.71354 | 47.74775 | 34.93827 | 32.38342 |
| ## 185 | 106.1 | 106.0680 | 52.78884 | 53.84615 | 34.25926 | 20.72336 |
| ## 186 | 100.6 | 100.6060 | 50.32468 | 49.45274 | 34.39768 | 29.95261 |
| ## 187 | 106.8 | 106.7760 | 52.17746 | 51.94805 | 35.04399 | 33.01708 |
| ## 188 | 101.0 | 101.0320 | 49.35519 | 49.29445 | 32.95739 | 20.75134 |
| ## 189 | 106.2 | 106.2430 | 48.57641 | 47.76828 | 33.23353 | 33.71681 |
| ## 190 | 106.9 | 106.9210 | 51.01918 | 50.62278 | 34.55882 | 35.59322 |
| ## 191 | 105.9 | 105.9350 | 49.68821 | 46.14604 | 36.11825 | 27.04225 |
| ## 192 | 108.6 | 108.6410 | 51.94700 | 55.05717 | 31.32022 | 28.22736 |
| ## 193 | 103.4 | 103.3690 | 50.53405 | 49.68711 | 34.33476 | 22.77778 |
| ## 194 | 105.1 | 105.0660 | 51.55192 | 51.02041 | 35.06711 | 30.29440 |
| ## 195 | 105.3 | 105.2760 | 49.18605 | 49.48980 | 32.35294 | 30.91787 |
| ## 196 | 104.3 | 104.2700 | 49.72633 | 51.14035 | 31.58661 | 27.73852 |
| ## 197 | 108.8 | 108.8230 | 50.21251 | 50.88634 | 32.84884 | 36.29032 |
| ## 198 | 109.2 | 109.1560 | 50.74799 | 49.36102 | 36.21399 | 35.09804 |
| ## 199 | 105.5 | 105.4960 | 49.77564 | 51.15385 | 31.34615 | 32.13898 |
| ## 200 | 109.6 | 109.6010 | 53.37655 | 53.92245 | 35.04043 | 23.93567 |
| ## 201 | 110.8 | 110.7820 | 51.98251 | 52.37668 | 34.16667 | 29.72441 |
| ## 202 | 108.3 | 108.2670 | 54.56897 | 56.61680 | 35.01722 | 26.18817 |
| ## 203 | 107.7 | 107.7110 | 52.34588 | 52.64188 | 34.64858 | 31.11511 |
| ## 204 | 103.9 | 103.8630 | 51.33751 | 51.11111 | 34.49367 | 24.00000 |
| ## 205 | 104.6 | 104.5820 | 49.75897 | 52.13930 | 31.32251 | 29.30884 |
| ## 206 | 104.3 | 104.3080 | 50.50147 | 51.68539 | 31.97026 | 33.43080 |
| ## 207 | 93.9 | 93.9184 | 44.74576 | 43.86677 | 31.16883 | 31.21739 |
| ## 208 | 104.4 | 104.3990 | 51.13342 | 52.12187 | 33.12000 | 30.12959 |
| ## 209 | 104.5 | 104.5040 | 51.05519 | 51.32890 | 33.69565 | 31.41798 |
| ## 210 | 108.0 | 107.9730 | 47.79366 | 48.33333 | 31.23939 | 38.30228 |
| ## 211 | 104.3 | 104.2880 | 51.96645 | 51.00262 | 35.91065 | 22.02020 |
| ## 212 | 105.3 | 105.2620 | 47.71414 | 47.26962 | 32.28454 | 26.48557 |
| ## 213 | 109.0 | 108.9890 | 51.31258 | 52.31054 | 32.91367 | 32.12121 |
| ## 214 | 103.6 | 103.5710 | 48.39531 | 50.65681 | 29.79866 | 33.45102 |
| ## 215 | 100.4 | 100.4260 | 45.14099 | 46.62212 | 28.01252 | 34.27673 |
| ## 216 | 105.2 | 105.2230 | 47.51674 | 46.91358 | 32.37082 | 33.98927 |
| ## 217 | 103.4 | 103.3890 | 49.65035 | 48.92966 | 34.00576 | 27.62614 |
| ## 218 | 104.6 | 104.6450 | 48.94886 | 47.77184 | 34.01254 | 31.76044 |
| ## 219 | 95.7 | 95.6706 | 46.68915 | 47.82609 | 28.88350 | 30.06924 |
| ## 220 | 103.7 | 103.7290 | 49.97034 | 51.47808 | 31.91489 | 24.55621 |
| ## 221 | 98.6 | 98.5937 | 48.87153 | 48.14443 | 33.24213 | 25.75188 |
| ## 222 | 101.5 | 101.5440 | 46.05063 | 44.46970 | 32.82443 | 30.53312 |
| ## 223 | 111.1 | 111.0590 | 56.36111 | 55.40661 | 38.61968 | 27.83920 |
| ## 224 | 102.6 | 102.6470 | 50.61889 | 53.12500 | 30.95652 | 30.87912 |
| ## 225 | 105.1 | 105.1240 | 53.83784 | 54.44546 | 35.30962 | 25.99445 |
| ## 226 | 105.3 | 105.3060 | 51.68675 | 50.62500 | 35.42857 | 32.77723 |
| ## 227 | 100.3 | 100.2880 | 49.52140 | 47.17286 | 36.61710 | 30.38570 |
| ## 228 | 103.3 | 103.3090 | 48.66117 | 49.07652 | 32.04969 | 31.52709 |
| ## 229 | 101.3 | 101.3220 | 48.74541 | 46.52712 | 35.16295 | 33.13725 |
| ## 230 | 108.3 | 108.2860 | 53.72093 | 55.75540 | 34.53725 | 26.15830 |
| ## 231 | 106.8 | 106.8050 | 51.20919 | 49.67860 | 36.10619 | 29.55466 |
| ## 232 | 109.4 | 109.4390 | 55.06135 | 54.08163 | 37.69231 | 22.43590 |
| ## 233 | 103.9 | 103.9450 | 49.80706 | 50.32318 | 32.69494 | 31.02821 |
| ## 234 | 100.3 | 100.2910 | 47.22709 | 47.41907 | 31.22807 | 34.44339 |
| ## 235 | 103.5 | 103.5350 | 48.43366 | 47.53019 | 33.05439 | 32.85421 |
| ## 236 | 104.6 | 104.6180 | 51.80442 | 51.10643 | 35.11053 | 23.76726 |
| ## 237 | 110.1 | 110.1290 | 50.74328 | 50.29528 | 34.24284 | 32.63158 |
| ## 238 | 100.1 | 100.0640 | 48.37523 | 49.71815 | 31.18280 | 19.31244 |
| ## 239 | 105.9 | 105.8570 | 48.24903 | 45.26398 | 37.18200 | 35.64815 |
| ## 240 | 112.5 | 112.5420 | 50.07858 | 51.71836 | 31.56425 | 29.99150 |

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|--------|-------|----------|----------|----------|----------|----------|
| ## 241 | 111.5 | 111.5210 | 50.51308 | 50.53841 | 33.63309 | 29.89510 |
| ## 242 | 109.2 | 109.1790 | 54.57022 | 56.33673 | 34.15061 | 26.10132 |
| ## 243 | 104.9 | 104.9250 | 51.67164 | 55.43860 | 31.82927 | 30.80041 |
| ## 244 | 101.2 | 101.1850 | 49.04363 | 49.47146 | 32.32462 | 26.15830 |
| ## 245 | 101.1 | 101.1360 | 47.86902 | 47.29412 | 32.66564 | 30.00831 |
| ## 246 | 101.8 | 101.8130 | 50.92081 | 49.12281 | 35.98673 | 32.11753 |
| ## 247 | 96.8 | 96.7697 | 46.25229 | 45.08507 | 32.24700 | 27.63533 |
| ## 248 | 106.9 | 106.9270 | 51.14046 | 49.71751 | 35.76159 | 34.48276 |
| ## 249 | 107.8 | 107.7870 | 50.28670 | 49.39647 | 34.48276 | 31.51458 |
| ## 250 | 104.3 | 104.2520 | 50.62500 | 49.77578 | 34.46328 | 32.93173 |
| ## 251 | 101.9 | 101.9030 | 47.89291 | 47.76346 | 32.09169 | 39.11620 |
| ## 252 | 101.7 | 101.6700 | 50.95132 | 50.14085 | 34.76454 | 30.98859 |
| ## 253 | 105.3 | 105.2650 | 49.39792 | 49.54463 | 32.78464 | 28.79342 |
| ## 254 | 104.4 | 104.4430 | 51.34902 | 52.54970 | 32.64957 | 33.77609 |
| ## 255 | 96.3 | 96.2576 | 46.14310 | 47.44000 | 28.75696 | 31.07747 |
| ## 256 | 101.5 | 101.4560 | 50.57432 | 52.24719 | 32.03390 | 24.76636 |
| ## 257 | 97.4 | 97.4179 | 46.10794 | 45.62951 | 31.32353 | 27.01839 |
| ## 258 | 105.4 | 105.3820 | 48.33620 | 49.61165 | 30.99579 | 25.43618 |
| ## 259 | 110.2 | 110.1850 | 53.19797 | 54.02426 | 34.99530 | 27.98635 |
| ## 260 | 106.1 | 106.1400 | 54.15301 | 54.58846 | 35.70505 | 23.69439 |
| ## 261 | 97.1 | 97.0866 | 48.78555 | 51.49701 | 29.88338 | 22.61790 |
| ## 262 | 106.7 | 106.7040 | 51.01163 | 50.41171 | 34.50226 | 31.37584 |
| ## 263 | 101.6 | 101.5690 | 48.97225 | 49.82847 | 31.79487 | 28.84141 |
| ## 264 | 104.8 | 104.8140 | 51.91657 | 53.11973 | 32.99320 | 33.36466 |
| ## 265 | 106.6 | 106.5570 | 50.41819 | 49.84326 | 34.37991 | 32.33743 |
| ## 266 | 108.6 | 108.5810 | 49.67777 | 50.31334 | 32.48322 | 33.70593 |
| ## 267 | 103.4 | 103.3980 | 47.19602 | 44.18605 | 35.24962 | 29.75000 |
| ## 268 | 102.3 | 102.3180 | 49.52301 | 51.55642 | 31.16711 | 27.17391 |
| ## 269 | 102.4 | 102.3800 | 50.14577 | 49.84488 | 33.68984 | 23.91931 |
| ## 270 | 106.4 | 106.3740 | 49.26432 | 50.24631 | 31.67883 | 32.35816 |
| ## 271 | 101.4 | 101.4380 | 49.88318 | 51.54350 | 31.41524 | 30.57199 |
| ## 272 | 104.7 | 104.6920 | 48.01567 | 46.84385 | 33.33333 | 31.26050 |
| ## 273 | 103.5 | 103.5280 | 48.69707 | 47.13896 | 34.00810 | 25.78671 |
| ## 274 | 107.1 | 107.1220 | 51.32858 | 51.03093 | 34.55497 | 26.36555 |
| ## 275 | 107.9 | 107.9210 | 51.76199 | 51.49834 | 34.69880 | 28.87189 |
| ## 276 | 108.3 | 108.2840 | 52.62985 | 53.88769 | 33.78151 | 25.88369 |
| ## 277 | 94.8 | 94.7754 | 46.67294 | 48.75622 | 28.74150 | 34.56670 |
| ## 278 | 104.3 | 104.3030 | 47.25959 | 45.64460 | 32.94529 | 28.25917 |
| ## 279 | 99.6 | 99.6008 | 49.07919 | 49.28806 | 32.54190 | 25.96899 |
| ## 280 | 98.4 | 98.4347 | 47.45042 | 46.20811 | 33.12203 | 30.46661 |
| ## 281 | 106.3 | 106.3120 | 52.39044 | 52.35023 | 34.97024 | 29.69052 |
| ## 282 | 101.9 | 101.9280 | 51.12468 | 49.07787 | 36.37931 | 21.35193 |
| ## 283 | 101.0 | 101.0280 | 44.09136 | 45.04644 | 28.25485 | 36.41221 |
| ## 284 | 99.5 | 99.4807 | 48.14498 | 50.32140 | 29.71342 | 28.84615 |
| ## 285 | 99.0 | 98.9900 | 47.66780 | 48.80342 | 30.27211 | 32.26415 |
| ## 286 | 89.8 | 89.7728 | 45.87989 | 45.02814 | 32.24044 | 28.09365 |
| ## 287 | 98.6 | 98.5583 | 48.18182 | 48.38188 | 31.86120 | 28.84283 |
| ## 288 | 101.3 | 101.2580 | 48.48485 | 50.22831 | 31.00775 | 25.24085 |
| ## 289 | 101.9 | 101.8820 | 50.22409 | 49.67136 | 34.02778 | 23.99635 |
| ## 290 | 102.9 | 102.9210 | 49.82568 | 49.47064 | 33.57771 | 25.54814 |
| ## 291 | 102.5 | 102.5000 | 49.42966 | 49.88610 | 32.57143 | 26.92703 |
| ## 292 | 102.6 | 102.6140 | 50.93486 | 52.46377 | 32.26324 | 26.91903 |
| ## 293 | 102.4 | 102.3720 | 47.62443 | 48.54995 | 31.06332 | 34.67249 |
| ## 294 | 103.3 | 103.2830 | 47.02381 | 49.34464 | 28.18898 | 34.35940 |
| ## 295 | 95.8 | 95.7726 | 46.76282 | 47.24335 | 30.51181 | 30.14403 |
| ## 296 | 98.0 | 97.9916 | 45.69756 | 46.34921 | 29.68750 | 29.86279 |
| ## 297 | 98.6 | 98.5721 | 44.66180 | 42.39482 | 32.18589 | 36.98347 |
| ## 298 | 97.8 | 97.7624 | 47.93616 | 49.82548 | 29.80626 | 28.07018 |
| ## 299 | 107.3 | 107.3190 | 55.23669 | 53.79443 | 38.36672 | 19.41545 |
| ## 300 | 102.5 | 102.4720 | 50.17783 | 51.13208 | 32.37640 | 24.36399 |
| ## 301 | 99.3 | 99.3081 | 48.76791 | 47.90476 | 33.38129 | 26.17080 |
| ## 302 | 100.6 | 100.6450 | 48.70716 | 50.67358 | 30.65903 | 31.18081 |
| ## 303 | 99.0 | 98.9555 | 49.20786 | 46.97581 | 35.32423 | 28.51197 |
| ## 304 | 102.6 | 102.5530 | 50.74627 | 49.08896 | 35.10507 | 24.95345 |
| ## 305 | 101.4 | 101.3830 | 50.17825 | 50.66530 | 33.00283 | 32.45614 |
| ## 306 | 102.8 | 102.7540 | 50.14603 | 50.67698 | 32.89086 | 28.59941 |
| ## 307 | 104.7 | 104.7330 | 48.79899 | 47.64940 | 35.47401 | 34.00211 |
| ## 308 | 101.5 | 101.5080 | 50.33475 | 50.53038 | 33.33333 | 26.13169 |
| ## 309 | 101.2 | 101.2410 | 49.08309 | 49.65720 | 32.18232 | 25.90867 |
| ## 310 | 95.3 | 95.2939 | 50.09282 | 50.54022 | 33.07791 | 22.73603 |
| ## 311 | 100.2 | 100.2490 | 51.56434 | 52.58883 | 33.42736 | 25.35070 |
| ## 312 | 105.9 | 105.8510 | 53.48542 | 52.57202 | 36.63366 | 28.99669 |
| ## 313 | 102.7 | 102.6750 | 47.67687 | 48.07256 | 31.17338 | 32.22707 |
| ## 314 | 109.3 | 109.3340 | 50.42143 | 46.17143 | 36.76845 | 30.56895 |
| ## 315 | 94.3 | 94.2697 | 44.10112 | 42.62877 | 31.72269 | 30.01894 |
| ## 316 | 97.0 | 97.0194 | 45.74932 | 44.98239 | 31.33047 | 25.88134 |
| ## 317 | 102.0 | 101.9910 | 51.59337 | 50.69860 | 35.44974 | 26.87831 |
| ## 318 | 100.8 | 100.7500 | 50.63898 | 50.83732 | 33.60768 | 27.70833 |
| ## 319 | 103.2 | 103.1560 | 53.05457 | 49.58848 | 38.51541 | 23.21244 |

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|--------|-------|----------|----------|----------|----------|----------|
| ## 320 | 97.0 | 97.0352 | 47.29242 | 46.94444 | 31.95876 | 26.28516 |
| ## 321 | 103.0 | 102.9650 | 52.03379 | 51.75055 | 34.94152 | 23.55415 |
| ## 322 | 102.8 | 102.7810 | 51.05003 | 49.38821 | 35.41667 | 26.35897 |
| ## 323 | 105.5 | 105.5270 | 50.11947 | 49.86425 | 33.74341 | 34.57395 |
| ## 324 | 103.0 | 102.9860 | 49.68997 | 52.10728 | 30.82192 | 25.79143 |
| ## 325 | 98.4 | 98.3786 | 46.11268 | 45.44000 | 31.80952 | 33.57934 |
| ## 326 | 96.0 | 96.0029 | 45.01401 | 47.64353 | 26.69903 | 29.99136 |
| ## 327 | 98.2 | 98.1713 | 45.93909 | 45.47206 | 31.22677 | 31.15234 |
| ## 328 | 103.7 | 103.7080 | 49.96578 | 48.54981 | 34.43114 | 22.56637 |
| ## 329 | 102.2 | 102.2060 | 49.44169 | 47.65306 | 34.81013 | 28.97561 |
| ## 330 | 94.7 | 94.6543 | 49.18320 | 51.12867 | 31.40097 | 28.09612 |
| ## 331 | 104.8 | 104.7690 | 49.04126 | 49.51745 | 31.55080 | 34.08203 |
| ## 332 | 101.8 | 101.7510 | 47.71930 | 45.77735 | 33.83234 | 29.49309 |
| ## 333 | 100.0 | 99.9799 | 46.34015 | 45.81152 | 31.46067 | 28.60825 |
| ## 334 | 100.8 | 100.8060 | 50.93656 | 52.18855 | 32.98429 | 18.35507 |
| ## 335 | 98.2 | 98.1718 | 45.83781 | 46.30872 | 30.00000 | 26.99336 |
| ## 336 | 100.8 | 100.8210 | 47.87363 | 45.38813 | 35.20871 | 27.89318 |
| ## 337 | 96.2 | 96.1809 | 45.59628 | 43.88379 | 33.26923 | 31.90559 |
| ## 338 | 93.6 | 93.6196 | 45.42125 | 46.28975 | 29.65779 | 25.80952 |
| ## 339 | 97.5 | 97.4868 | 48.81797 | 51.37131 | 30.37634 | 24.83599 |
| ## 340 | 98.7 | 98.7009 | 49.77169 | 53.07414 | 29.41176 | 25.32957 |
| ## 341 | 104.6 | 104.5990 | 53.66005 | 53.87978 | 35.58106 | 20.24202 |
| ## 342 | 96.5 | 96.4789 | 48.01917 | 49.07193 | 31.15220 | 27.35382 |
| ## 343 | 100.6 | 100.6060 | 48.63968 | 45.82463 | 35.70128 | 22.19731 |
| ## 344 | 95.0 | 94.9907 | 47.15698 | 45.37713 | 32.66332 | 17.79661 |
| ## 345 | 94.0 | 94.0259 | 43.73642 | 41.53132 | 31.59923 | 31.80328 |
| ## 346 | 99.2 | 99.1678 | 47.44009 | 50.15641 | 29.64652 | 28.54686 |
| ## 347 | 101.1 | 101.1270 | 50.15985 | 46.64634 | 37.41379 | 27.93651 |
| ## 348 | 96.4 | 96.4496 | 45.02544 | 43.11377 | 32.50000 | 29.01786 |
| ## 349 | 96.9 | 96.9460 | 45.86957 | 45.96078 | 30.44248 | 31.64557 |
| ## 350 | 98.4 | 98.3878 | 47.18943 | 48.35076 | 29.66418 | 26.09489 |
| ## 351 | 90.6 | 90.6471 | 44.16928 | 46.05138 | 27.02206 | 25.85551 |
| ## 352 | 100.7 | 100.6710 | 50.23838 | 50.19120 | 33.54430 | 24.05941 |
| ## 353 | 95.1 | 95.1264 | 45.32333 | 45.03250 | 30.53435 | 27.67695 |
| ## 354 | 102.1 | 102.1490 | 51.53430 | 53.23077 | 32.75109 | 25.64356 |
| ## 355 | 94.9 | 94.9100 | 47.13631 | 46.80851 | 31.74157 | 27.35426 |
| ## 356 | 95.2 | 95.1747 | 46.89679 | 49.49109 | 29.16667 | 27.21585 |
| ## 357 | 98.1 | 98.0998 | 48.15732 | 48.59038 | 31.53595 | 24.52830 |
| ## 358 | 94.4 | 94.4018 | 45.65657 | 44.69453 | 31.52174 | 27.05167 |
| ## 359 | 98.0 | 97.9873 | 51.16557 | 48.41998 | 36.70520 | 18.32994 |
| ## 360 | 94.8 | 94.8255 | 45.09804 | 44.32379 | 30.79057 | 33.91154 |
| ## 361 | 88.7 | 88.6941 | 43.98353 | 44.21642 | 28.99408 | 26.51515 |
| ## 362 | 90.2 | 90.1502 | 44.40258 | 43.40309 | 30.56653 | 22.58065 |
| ## 363 | 96.8 | 96.8030 | 50.26675 | 52.57634 | 30.98592 | 26.34055 |
| ## 364 | 79.4 | 79.3707 | 42.10165 | 41.64194 | 28.76404 | 22.66112 |

| | | | | | | |
|-------|----------|-----------|------------|----------|------------|-----|
| ## | FTRate | BlockPct | Experience | ARate | StlRate | DFP |
| ## 1 | 31.68367 | 10.499577 | 1.9471600 | 58.28989 | 0.10453951 | NA |
| ## 2 | 33.35020 | 16.584158 | 2.7942100 | 55.48589 | 0.10091113 | NA |
| ## 3 | 28.43137 | 16.159496 | 2.6448900 | 44.94382 | 0.12694928 | NA |
| ## 4 | 31.94716 | 12.429379 | 2.4201200 | 52.89855 | 0.11005525 | NA |
| ## 5 | 34.04372 | 16.498994 | 2.9275200 | 60.55156 | 0.10684665 | NA |
| ## 6 | 40.31083 | 10.120311 | 2.9967800 | 54.20842 | 0.07981390 | NA |
| ## 7 | 29.72973 | 8.116883 | 2.6491000 | 58.35996 | 0.09662976 | NA |
| ## 8 | 37.74381 | 13.412409 | 1.6128300 | 61.73121 | 0.08093525 | NA |
| ## 9 | 30.85714 | 8.319185 | 2.9830600 | 61.86845 | 0.10666950 | NA |
| ## 10 | 38.47758 | 10.231317 | 2.8147100 | 53.91304 | 0.13277830 | NA |
| ## 11 | 32.77609 | 11.867220 | 2.1482300 | 50.05359 | 0.11146602 | NA |
| ## 12 | 33.50489 | 5.944625 | 2.5946000 | 54.63687 | 0.07696113 | NA |
| ## 13 | 30.57354 | 15.066079 | 2.3430100 | 53.91753 | 0.13012955 | NA |
| ## 14 | 37.01493 | 12.170213 | 2.7337400 | 57.56303 | 0.11037492 | NA |
| ## 15 | 46.84874 | 7.489362 | 2.6726100 | 49.02597 | 0.13381030 | NA |
| ## 16 | 35.85834 | 11.290323 | 3.0535300 | 56.73469 | 0.09261567 | NA |
| ## 17 | 41.68838 | 13.918630 | 2.9751900 | 47.68461 | 0.11074223 | NA |
| ## 18 | 28.18414 | 10.411199 | 3.0246600 | 52.25523 | 0.11256822 | NA |
| ## 19 | 34.62158 | 5.268109 | 1.7367500 | 57.72180 | 0.09831533 | NA |
| ## 20 | 34.59536 | 9.139073 | 1.0791700 | 51.94532 | 0.06026945 | NA |
| ## 21 | 24.32432 | 13.061564 | 3.6390000 | 60.89677 | 0.08927556 | NA |
| ## 22 | 31.42105 | 10.370370 | 1.6933800 | 57.12630 | 0.09723919 | NA |
| ## 23 | 35.10747 | 8.057676 | 3.1753000 | 52.13004 | 0.09383371 | NA |
| ## 24 | 30.15228 | 9.756098 | 1.9284400 | 59.78947 | 0.10356498 | NA |
| ## 25 | 35.60262 | 12.354086 | 3.4698200 | 53.36374 | 0.12579367 | NA |
| ## 26 | 32.91959 | 10.503282 | 2.2324400 | 60.53241 | 0.12159838 | NA |
| ## 27 | 26.06589 | 10.912343 | 2.0794000 | 49.51034 | 0.13155281 | NA |
| ## 28 | 35.92233 | 9.539208 | 2.2455800 | 58.33333 | 0.07907439 | NA |
| ## 29 | 31.03448 | 8.190476 | 2.7405800 | 53.45838 | 0.11099923 | NA |
| ## 30 | 31.36095 | 15.313653 | 2.6508100 | 56.76329 | 0.12498266 | NA |
| ## 31 | 31.64678 | 14.097744 | 2.2720500 | 53.33333 | 0.13065294 | NA |
| ## 32 | 33.38501 | 10.072522 | 2.6842400 | 54.41176 | 0.10308772 | NA |
| ## 33 | 34.83412 | 9.701493 | 2.2572200 | 50.74627 | 0.08259078 | NA |

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|--------|----------|-----------|-----------|----------|------------|----|
| ## 34 | 30.61441 | 17.857143 | 1.7519000 | 64.01766 | 0.08098665 | NA |
| ## 35 | 39.83425 | 14.716312 | 1.8621900 | 47.55662 | 0.11260478 | NA |
| ## 36 | 28.52564 | 10.911701 | 2.6512800 | 63.29966 | 0.05389155 | NA |
| ## 37 | 35.82803 | 9.792028 | 2.1592300 | 47.94989 | 0.09224239 | NA |
| ## 38 | 39.59804 | 6.785714 | 2.2918200 | 52.01381 | 0.11165085 | NA |
| ## 39 | 34.08324 | 7.367281 | 1.1162100 | 56.50061 | 0.14265146 | NA |
| ## 40 | 35.53590 | 15.352697 | 1.5731000 | 53.23661 | 0.10754589 | NA |
| ## 41 | 37.77999 | 14.273281 | 2.4775000 | 51.53846 | 0.11742807 | NA |
| ## 42 | 37.18372 | 7.155026 | 3.5394500 | 63.91509 | 0.10988336 | NA |
| ## 43 | 36.58052 | 11.736717 | 2.8535700 | 47.47040 | 0.09063572 | NA |
| ## 44 | 39.44539 | 7.200000 | 2.1316600 | 56.02484 | 0.07946127 | NA |
| ## 45 | 31.59912 | 8.103448 | 2.3937600 | 62.75626 | 0.07747006 | NA |
| ## 46 | 31.31727 | 10.651974 | 2.2341900 | 55.81395 | 0.10296185 | NA |
| ## 47 | 32.04119 | 18.549346 | 1.5289800 | 50.68493 | 0.11272121 | NA |
| ## 48 | 33.07045 | 9.200344 | 2.2764200 | 58.43858 | 0.08382768 | NA |
| ## 49 | 36.65810 | 10.311958 | 2.7803700 | 55.08021 | 0.11529399 | NA |
| ## 50 | 34.00707 | 11.369740 | 2.3752800 | 50.05599 | 0.12816675 | NA |
| ## 51 | 38.97137 | 12.869565 | 3.1448800 | 52.05784 | 0.10631546 | NA |
| ## 52 | 37.63557 | 9.391125 | 2.1613000 | 61.14222 | 0.12488684 | NA |
| ## 53 | 25.62432 | 11.582670 | 2.1429500 | 56.52174 | 0.11415498 | NA |
| ## 54 | 23.39889 | 11.731392 | 2.1946300 | 50.90090 | 0.11090742 | NA |
| ## 55 | 36.00445 | 9.145129 | 2.7938600 | 52.45700 | 0.10137782 | NA |
| ## 56 | 28.85354 | 7.763023 | 2.8859800 | 49.04988 | 0.08922341 | NA |
| ## 57 | 28.88325 | 8.506944 | 2.1324200 | 58.47826 | 0.09311511 | NA |
| ## 58 | 42.96824 | 8.476518 | 0.3268410 | 54.17237 | 0.14564397 | NA |
| ## 59 | 35.66591 | 11.836283 | 2.7635500 | 50.12077 | 0.13330393 | NA |
| ## 60 | 37.94643 | 11.250000 | 2.4870600 | 57.80886 | 0.11358022 | NA |
| ## 61 | 34.19773 | 12.500000 | 2.6838400 | 51.43885 | 0.10808554 | NA |
| ## 62 | 31.33047 | 7.759372 | 1.8907200 | 61.20907 | 0.09274495 | NA |
| ## 63 | 36.43203 | 8.390411 | 2.5138300 | 56.85619 | 0.09142409 | NA |
| ## 64 | 36.69222 | 8.892482 | 1.7394200 | 60.88517 | 0.09264236 | NA |
| ## 65 | 25.95642 | 11.048839 | 1.7955100 | 59.84174 | 0.09259749 | NA |
| ## 66 | 34.98385 | 9.191489 | 1.7706500 | 51.76887 | 0.09524884 | NA |
| ## 67 | 27.63767 | 9.178744 | 2.5701200 | 58.99533 | 0.10852282 | NA |
| ## 68 | 37.00947 | 8.361970 | 2.8655400 | 45.83333 | 0.12229819 | NA |
| ## 69 | 36.27546 | 11.044328 | 2.2090000 | 52.34286 | 0.10592274 | NA |
| ## 70 | 43.28530 | 7.833333 | 1.8920600 | 54.65587 | 0.08403410 | NA |
| ## 71 | 35.89325 | 12.116041 | 2.0454900 | 51.24378 | 0.07601874 | NA |
| ## 72 | 36.13917 | 12.676056 | 2.1386500 | 45.82278 | 0.10588222 | NA |
| ## 73 | 37.90925 | 10.324484 | 2.9400300 | 59.41846 | 0.10614921 | NA |
| ## 74 | 31.82674 | 12.068966 | 1.6989200 | 54.19355 | 0.08340400 | NA |
| ## 75 | 36.97257 | 10.191638 | 2.0365700 | 66.39053 | 0.09185000 | NA |
| ## 76 | 36.20423 | 10.245902 | 1.5692900 | 47.74566 | 0.09934762 | NA |
| ## 77 | 37.26674 | 6.904232 | 2.8812800 | 55.54217 | 0.06011462 | NA |
| ## 78 | 32.60870 | 14.071856 | 2.2284300 | 56.91057 | 0.09162289 | NA |
| ## 79 | 37.31092 | 12.434692 | 2.9246100 | 58.81657 | 0.09506254 | NA |
| ## 80 | 36.34397 | 11.111111 | 1.3208400 | 58.37379 | 0.10278153 | NA |
| ## 81 | 42.40196 | 10.673575 | 2.8197000 | 51.14710 | 0.11001860 | NA |
| ## 82 | 29.65446 | 9.607352 | 1.3937900 | 54.10226 | 0.10361288 | NA |
| ## 83 | 31.37039 | 7.749382 | 2.6803500 | 54.42890 | 0.09901735 | NA |
| ## 84 | 37.62859 | 7.191781 | 2.3714300 | 44.94505 | 0.08708592 | NA |
| ## 85 | 38.91538 | 8.565737 | 1.4504800 | 55.21092 | 0.09505282 | NA |
| ## 86 | 33.54667 | 10.658915 | 1.9217500 | 49.87179 | 0.11277149 | NA |
| ## 87 | 25.75286 | 11.090909 | 1.7779900 | 53.55893 | 0.11627974 | NA |
| ## 88 | 32.46684 | 11.714507 | 2.0964100 | 48.80668 | 0.10090178 | NA |
| ## 89 | 31.45072 | 12.851064 | 3.1878500 | 61.18090 | 0.09275446 | NA |
| ## 90 | 39.39064 | 14.100186 | 1.3404400 | 50.00000 | 0.10766683 | NA |
| ## 91 | 34.20802 | 11.622465 | 2.0608600 | 51.01810 | 0.10211439 | NA |
| ## 92 | 35.81599 | 11.450382 | 2.1155900 | 49.56413 | 0.09912065 | NA |
| ## 93 | 31.16490 | 10.158201 | 1.9040000 | 55.25114 | 0.08306025 | NA |
| ## 94 | 31.76284 | 5.110132 | 2.0488000 | 44.18331 | 0.08308545 | NA |
| ## 95 | 32.41455 | 11.152416 | 2.0010300 | 52.84738 | 0.09205724 | NA |
| ## 96 | 43.42541 | 12.852405 | 2.6119500 | 52.65700 | 0.12776869 | NA |
| ## 97 | 29.56901 | 9.151973 | 1.8971400 | 51.17720 | 0.07426523 | NA |
| ## 98 | 37.78409 | 12.785388 | 1.0862700 | 55.64304 | 0.13661845 | NA |
| ## 99 | 26.79378 | 9.747899 | 1.3951300 | 58.72340 | 0.10329473 | NA |
| ## 100 | 41.63488 | 8.582449 | 2.8394000 | 51.72855 | 0.12536115 | NA |
| ## 101 | 35.20958 | 9.036743 | 1.7599600 | 52.51534 | 0.08825886 | NA |
| ## 102 | 30.87248 | 11.254019 | 1.3068500 | 42.62500 | 0.11237701 | NA |
| ## 103 | 26.38889 | 11.310085 | 1.5159100 | 63.59946 | 0.08924666 | NA |
| ## 104 | 29.81839 | 7.502131 | 2.9495900 | 57.03704 | 0.08853256 | NA |
| ## 105 | 37.80422 | 10.581506 | 2.6442700 | 54.38596 | 0.09652206 | NA |
| ## 106 | 35.79176 | 10.850801 | 1.8318600 | 56.07477 | 0.10446068 | NA |
| ## 107 | 34.50088 | 10.054348 | 2.4951300 | 50.78740 | 0.09022321 | NA |
| ## 108 | 31.47208 | 8.560677 | 1.7210600 | 60.84408 | 0.10074911 | NA |
| ## 109 | 30.84627 | 9.635173 | 1.8663500 | 42.43421 | 0.10793171 | NA |
| ## 110 | 31.52442 | 10.734463 | 1.7430400 | 53.36898 | 0.09466585 | NA |
| ## 111 | 32.01581 | 13.567362 | 2.4815000 | 60.51661 | 0.09123624 | NA |
| ## 112 | 41.61782 | 14.152542 | 0.7771720 | 57.89474 | 0.09322049 | NA |

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|----|-----|----------|-----------|-----------|----------|------------|----|
| ## | 113 | 38.86114 | 9.334353 | 2.3149400 | 41.16945 | 0.09019703 | NA |
| ## | 114 | 40.81519 | 8.741259 | 1.6487100 | 55.76679 | 0.13039296 | NA |
| ## | 115 | 33.16035 | 11.338583 | 2.0018500 | 56.62921 | 0.08483799 | NA |
| ## | 116 | 29.26829 | 11.041009 | 1.9144200 | 55.87558 | 0.13410327 | NA |
| ## | 117 | 33.14664 | 6.769984 | 2.4756600 | 49.94426 | 0.06939132 | NA |
| ## | 118 | 27.41433 | 9.353079 | 2.1685200 | 60.23256 | 0.08859795 | NA |
| ## | 119 | 31.75246 | 9.823183 | 1.6302000 | 42.60985 | 0.07113622 | NA |
| ## | 120 | 32.31511 | 10.891089 | 2.5048000 | 45.84838 | 0.08893292 | NA |
| ## | 121 | 31.05691 | 8.823529 | 2.1177300 | 54.99398 | 0.08544803 | NA |
| ## | 122 | 33.58824 | 11.269615 | 0.6873630 | 56.00540 | 0.13483518 | NA |
| ## | 123 | 33.44595 | 5.679862 | 2.1293200 | 52.51397 | 0.08468155 | NA |
| ## | 124 | 32.40983 | 12.988048 | 1.6845900 | 59.31842 | 0.08903329 | NA |
| ## | 125 | 35.00000 | 11.047070 | 1.2118000 | 57.52089 | 0.08598165 | NA |
| ## | 126 | 32.25806 | 10.146174 | 2.4591500 | 51.57068 | 0.09766579 | NA |
| ## | 127 | 33.96968 | 9.255725 | 1.3295300 | 52.06897 | 0.09732642 | NA |
| ## | 128 | 26.05383 | 9.124088 | 1.3906200 | 60.08772 | 0.09962144 | NA |
| ## | 129 | 38.79310 | 11.819021 | 1.2049600 | 50.47490 | 0.08900548 | NA |
| ## | 130 | 30.01126 | 12.571429 | 2.1943400 | 54.68956 | 0.10414375 | NA |
| ## | 131 | 34.45230 | 6.847826 | 1.7243000 | 45.56041 | 0.08554542 | NA |
| ## | 132 | 28.48606 | 7.903056 | 1.4171200 | 61.26856 | 0.08471644 | NA |
| ## | 133 | 32.62454 | 4.805077 | 1.4857100 | 55.17241 | 0.05294911 | NA |
| ## | 134 | 31.18586 | 7.346491 | 0.7702490 | 49.02200 | 0.06304215 | NA |
| ## | 135 | 35.18325 | 11.681856 | 2.8738800 | 44.64075 | 0.09605296 | NA |
| ## | 136 | 30.01066 | 10.102041 | 2.1560200 | 46.08696 | 0.10925198 | NA |
| ## | 137 | 35.44521 | 9.147425 | 1.2339400 | 64.60746 | 0.09254043 | NA |
| ## | 138 | 38.42593 | 11.850649 | 1.4446600 | 60.71019 | 0.09186487 | NA |
| ## | 139 | 30.67346 | 5.478088 | 1.9064800 | 54.25150 | 0.08715007 | NA |
| ## | 140 | 33.20023 | 10.602911 | 1.9904000 | 50.73041 | 0.11651202 | NA |
| ## | 141 | 41.23007 | 7.854730 | 2.8627300 | 48.86515 | 0.09437213 | NA |
| ## | 142 | 38.01792 | 9.306743 | 2.0936900 | 49.45718 | 0.10579930 | NA |
| ## | 143 | 29.83092 | 8.658009 | 2.1025700 | 48.45506 | 0.08914155 | NA |
| ## | 144 | 42.29391 | 9.730849 | 2.0793800 | 51.31579 | 0.11901675 | NA |
| ## | 145 | 35.13832 | 13.239719 | 0.8746820 | 56.60622 | 0.10867828 | NA |
| ## | 146 | 29.15980 | 6.612319 | 1.9074200 | 56.86513 | 0.08196335 | NA |
| ## | 147 | 28.71287 | 6.333631 | 1.2420300 | 47.66585 | 0.07634254 | NA |
| ## | 148 | 29.68397 | 8.413672 | 2.5674600 | 58.29208 | 0.09113651 | NA |
| ## | 149 | 41.07764 | 8.718861 | 2.2817000 | 51.43930 | 0.08124514 | NA |
| ## | 150 | 30.78451 | 15.003990 | 2.6235000 | 49.06284 | 0.08872832 | NA |
| ## | 151 | 41.25075 | 8.768473 | 1.0136100 | 44.27995 | 0.07920841 | NA |
| ## | 152 | 28.71126 | 10.166359 | 1.2757300 | 55.73581 | 0.10775579 | NA |
| ## | 153 | 28.40083 | 9.665428 | 2.1729400 | 41.41791 | 0.09550626 | NA |
| ## | 154 | 34.61538 | 6.260434 | 2.1134600 | 58.67288 | 0.09038259 | NA |
| ## | 155 | 29.04125 | 10.420168 | 2.5598400 | 50.63939 | 0.08157684 | NA |
| ## | 156 | 36.35875 | 7.312253 | 1.7879900 | 49.53704 | 0.08461730 | NA |
| ## | 157 | 36.20072 | 8.078231 | 2.5918200 | 49.33815 | 0.08951422 | NA |
| ## | 158 | 36.95015 | 8.919203 | 1.5096800 | 51.02319 | 0.13834492 | NA |
| ## | 159 | 36.71783 | 10.124164 | 1.3692500 | 51.36139 | 0.10462032 | NA |
| ## | 160 | 32.10811 | 8.059701 | 1.7603000 | 44.08322 | 0.10665694 | NA |
| ## | 161 | 30.82115 | 5.794393 | 1.0440600 | 51.46497 | 0.08134024 | NA |
| ## | 162 | 30.44227 | 8.423913 | 2.3446600 | 45.78313 | 0.09087332 | NA |
| ## | 163 | 47.69897 | 8.691983 | 2.6611100 | 43.81503 | 0.10408625 | NA |
| ## | 164 | 31.48866 | 7.592892 | 1.8476400 | 50.83014 | 0.08782827 | NA |
| ## | 165 | 28.98469 | 14.742968 | 1.2040500 | 56.57534 | 0.10442679 | NA |
| ## | 166 | 29.06784 | 7.410882 | 1.9095800 | 47.55662 | 0.11384466 | NA |
| ## | 167 | 29.71279 | 6.880000 | 2.1019900 | 45.59902 | 0.09706793 | NA |
| ## | 168 | 31.04046 | 14.103924 | 1.8214600 | 52.29961 | 0.12109032 | NA |
| ## | 169 | 35.15074 | 8.817829 | 2.2299100 | 51.50150 | 0.08552468 | NA |
| ## | 170 | 34.83146 | 14.442568 | 2.3107700 | 53.31695 | 0.08998298 | NA |
| ## | 171 | 45.19868 | 9.219269 | 2.3131300 | 40.84682 | 0.08781159 | NA |
| ## | 172 | 23.06843 | 7.530120 | 2.1720100 | 50.70423 | 0.08352885 | NA |
| ## | 173 | 33.13154 | 10.154125 | 1.9660300 | 42.80053 | 0.10561760 | NA |
| ## | 174 | 35.11269 | 8.274021 | 1.9508200 | 56.01604 | 0.08973363 | NA |
| ## | 175 | 36.33050 | 8.126858 | 1.3450900 | 49.44290 | 0.08496177 | NA |
| ## | 176 | 35.23759 | 11.614005 | 2.6449500 | 49.75124 | 0.11047906 | NA |
| ## | 177 | 31.66754 | 8.691835 | 1.2718000 | 51.08434 | 0.09854475 | NA |
| ## | 178 | 25.30864 | 6.101695 | 1.6164700 | 55.81062 | 0.10089777 | NA |
| ## | 179 | 28.23661 | 13.187856 | 1.5649000 | 50.25445 | 0.11306152 | NA |
| ## | 180 | 26.84310 | 5.384615 | 0.8689010 | 52.88066 | 0.10384981 | NA |
| ## | 181 | 38.08675 | 8.775510 | 2.1329000 | 48.89163 | 0.09380391 | NA |
| ## | 182 | 31.52954 | 10.476190 | 1.7262900 | 45.33844 | 0.07602912 | NA |
| ## | 183 | 25.91499 | 12.142152 | 1.6310000 | 50.44473 | 0.11195482 | NA |
| ## | 184 | 25.98958 | 9.481216 | 1.4518300 | 46.98647 | 0.11965214 | NA |
| ## | 185 | 31.87251 | 8.968254 | 2.1242800 | 52.00501 | 0.09168036 | NA |
| ## | 186 | 30.40142 | 8.229665 | 1.7930100 | 48.22888 | 0.06502463 | NA |
| ## | 187 | 24.16984 | 11.943987 | 0.7172050 | 48.39094 | 0.07479907 | NA |
| ## | 188 | 24.44922 | 10.598291 | 1.2864800 | 49.68234 | 0.14556870 | NA |
| ## | 189 | 43.28879 | 8.538732 | 1.8488600 | 50.89655 | 0.07142423 | NA |
| ## | 190 | 43.76499 | 9.844055 | 1.3272400 | 56.53897 | 0.12662740 | NA |
| ## | 191 | 29.02494 | 9.731877 | 2.4307200 | 48.09783 | 0.12560102 | NA |

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|----|-----|----------|-----------|-----------|----------|------------|----|
| ## | 192 | 26.39264 | 9.610154 | 2.4356900 | 46.99647 | 0.09371450 | NA |
| ## | 193 | 30.50734 | 8.032129 | 1.5828100 | 57.92779 | 0.06838367 | NA |
| ## | 194 | 34.19865 | 8.516484 | 1.4412600 | 52.41038 | 0.08738394 | NA |
| ## | 195 | 34.70930 | 7.075963 | 2.1441700 | 46.17414 | 0.10039617 | NA |
| ## | 196 | 34.92063 | 9.515571 | 2.0649700 | 53.87500 | 0.11411288 | NA |
| ## | 197 | 38.79781 | 11.820782 | 1.1861300 | 48.45938 | 0.07771330 | NA |
| ## | 198 | 36.01841 | 11.232877 | 1.8965800 | 52.64484 | 0.10040332 | NA |
| ## | 199 | 35.83333 | 7.972665 | 1.5500000 | 48.92086 | 0.10350537 | NA |
| ## | 200 | 33.54943 | 7.171636 | 1.8382800 | 49.41725 | 0.09979359 | NA |
| ## | 201 | 34.40233 | 11.507937 | 2.1974300 | 45.62738 | 0.10107550 | NA |
| ## | 202 | 35.86207 | 5.395683 | 1.1135600 | 57.84191 | 0.08951815 | NA |
| ## | 203 | 33.71522 | 13.867356 | 1.7540700 | 59.82906 | 0.08631624 | NA |
| ## | 204 | 28.85600 | 9.219858 | 0.9123420 | 48.17150 | 0.11114571 | NA |
| ## | 205 | 36.42207 | 13.228346 | 1.8761700 | 51.38539 | 0.09744053 | NA |
| ## | 206 | 34.27729 | 13.741224 | 0.9804490 | 48.57143 | 0.10670808 | NA |
| ## | 207 | 32.88136 | 11.933702 | 1.7379600 | 50.70621 | 0.12411020 | NA |
| ## | 208 | 27.97927 | 14.024390 | 1.7131500 | 54.08163 | 0.08445292 | NA |
| ## | 209 | 28.03030 | 12.625418 | 1.5870500 | 49.70060 | 0.11263279 | NA |
| ## | 210 | 34.36917 | 12.189860 | 0.6741250 | 47.85820 | 0.08627066 | NA |
| ## | 211 | 27.93522 | 10.083256 | 2.2487900 | 55.66751 | 0.13189797 | NA |
| ## | 212 | 33.57856 | 9.707904 | 1.4003200 | 45.18987 | 0.08528204 | NA |
| ## | 213 | 45.42125 | 6.538049 | 1.7831500 | 49.79973 | 0.10695122 | NA |
| ## | 214 | 31.12583 | 12.356792 | 1.7879200 | 52.44338 | 0.11424896 | NA |
| ## | 215 | 34.03827 | 13.035714 | 1.3066500 | 48.20322 | 0.10720914 | NA |
| ## | 216 | 30.24554 | 8.600000 | 1.8268100 | 42.14765 | 0.10572687 | NA |
| ## | 217 | 31.61838 | 7.294118 | 1.1889000 | 59.47489 | 0.08625543 | NA |
| ## | 218 | 33.06818 | 11.531191 | 1.5323400 | 51.39442 | 0.09256182 | NA |
| ## | 219 | 37.15512 | 8.366534 | 1.3412300 | 51.56695 | 0.14201097 | NA |
| ## | 220 | 29.65599 | 8.516746 | 1.6224600 | 53.97260 | 0.09783877 | NA |
| ## | 221 | 25.34722 | 11.730205 | 1.4001300 | 55.60166 | 0.08830294 | NA |
| ## | 222 | 31.39241 | 10.249554 | 1.8857600 | 45.13716 | 0.10193076 | NA |
| ## | 223 | 27.05556 | 7.901444 | 1.9961800 | 52.32163 | 0.08091769 | NA |
| ## | 224 | 39.93485 | 5.980651 | 1.5778800 | 49.41860 | 0.05216724 | NA |
| ## | 225 | 36.70270 | 9.233449 | 1.7428800 | 51.97216 | 0.09412422 | NA |
| ## | 226 | 36.98795 | 7.841410 | 1.7331700 | 53.40599 | 0.08154691 | NA |
| ## | 227 | 28.99775 | 16.769547 | 1.1468300 | 52.62484 | 0.13053338 | NA |
| ## | 228 | 32.85273 | 8.339829 | 1.8765300 | 52.08333 | 0.10590788 | NA |
| ## | 229 | 32.19094 | 12.315271 | 0.8061720 | 53.31412 | 0.10199811 | NA |
| ## | 230 | 35.58140 | 4.821601 | 1.7696700 | 61.99741 | 0.09769960 | NA |
| ## | 231 | 31.25756 | 8.510638 | 1.7141400 | 47.38255 | 0.09415926 | NA |
| ## | 232 | 30.01022 | 7.002188 | 1.1061300 | 50.75269 | 0.08981690 | NA |
| ## | 233 | 31.25689 | 9.271523 | 1.8997600 | 54.20918 | 0.10879118 | NA |
| ## | 234 | 38.12026 | 11.949686 | 0.6888580 | 49.16667 | 0.13020069 | NA |
| ## | 235 | 30.89681 | 9.872611 | 1.3811200 | 48.05970 | 0.09401446 | NA |
| ## | 236 | 29.45285 | 5.287147 | 2.5400400 | 52.05298 | 0.09756569 | NA |
| ## | 237 | 30.93196 | 7.019231 | 0.8498870 | 56.56168 | 0.09214282 | NA |
| ## | 238 | 29.67505 | 7.218935 | 2.1847700 | 51.70877 | 0.09120562 | NA |
| ## | 239 | 34.51918 | 8.640674 | 1.3961300 | 38.03364 | 0.09767835 | NA |
| ## | 240 | 45.41645 | 7.816483 | 1.8394900 | 38.31554 | 0.09734631 | NA |
| ## | 241 | 35.45408 | 6.862745 | 1.8697900 | 45.56678 | 0.07439359 | NA |
| ## | 242 | 31.59806 | 10.041841 | 2.5169200 | 52.36318 | 0.08239894 | NA |
| ## | 243 | 22.74627 | 6.778087 | 1.7484700 | 57.00680 | 0.10469628 | NA |
| ## | 244 | 29.76689 | 12.428843 | 2.4086100 | 49.64438 | 0.07971947 | NA |
| ## | 245 | 37.73389 | 9.425878 | 1.4718200 | 49.44785 | 0.10190326 | NA |
| ## | 246 | 34.25414 | 8.359457 | 1.1932000 | 49.93065 | 0.10717386 | NA |
| ## | 247 | 38.33029 | 10.146341 | 1.5970700 | 47.51880 | 0.11326763 | NA |
| ## | 248 | 27.49100 | 9.589041 | 1.8483600 | 46.10215 | 0.09803337 | NA |
| ## | 249 | 29.64450 | 3.645320 | 2.2132300 | 52.36220 | 0.08219354 | NA |
| ## | 250 | 26.50000 | 10.691824 | 1.2594300 | 50.34884 | 0.11042250 | NA |
| ## | 251 | 28.01190 | 9.462151 | 0.7940440 | 56.32319 | 0.14009818 | NA |
| ## | 252 | 31.33744 | 7.921715 | 1.4134700 | 60.00000 | 0.08696593 | NA |
| ## | 253 | 37.27422 | 13.294314 | 0.4199600 | 48.27586 | 0.09965360 | NA |
| ## | 254 | 41.38921 | 9.544282 | 0.9575610 | 47.30914 | 0.09682244 | NA |
| ## | 255 | 35.99776 | 13.155386 | 1.2291300 | 47.59358 | 0.12704528 | NA |
| ## | 256 | 24.39189 | 7.843137 | 1.3006600 | 54.43425 | 0.11088645 | NA |
| ## | 257 | 36.37779 | 8.743633 | 0.4203920 | 43.98977 | 0.10405581 | NA |
| ## | 258 | 42.74240 | 6.138107 | 1.8078000 | 51.91257 | 0.07689918 | NA |
| ## | 259 | 24.82234 | 7.016248 | 1.5285900 | 53.59629 | 0.08432506 | NA |
| ## | 260 | 22.56831 | 6.868867 | 1.2720500 | 52.40328 | 0.09537656 | NA |
| ## | 261 | 31.10190 | 13.946281 | 1.2463700 | 52.56588 | 0.09019329 | NA |
| ## | 262 | 26.35306 | 8.370837 | 1.2378700 | 61.68224 | 0.10373490 | NA |
| ## | 263 | 29.80473 | 7.961165 | 1.5508400 | 46.44150 | 0.10689530 | NA |
| ## | 264 | 36.24577 | 8.759757 | 1.7578300 | 39.44175 | 0.07403788 | NA |
| ## | 265 | 33.76895 | 7.907743 | 1.7425000 | 43.85965 | 0.07124933 | NA |
| ## | 266 | 33.56606 | 7.149577 | 1.0518800 | 45.14925 | 0.07581860 | NA |
| ## | 267 | 36.74004 | 12.738302 | 1.6998300 | 49.61735 | 0.08680362 | NA |
| ## | 268 | 34.17508 | 6.801619 | 2.6744300 | 54.11765 | 0.08764128 | NA |
| ## | 269 | 32.24490 | 7.423581 | 1.9168300 | 61.44414 | 0.06463187 | NA |
| ## | 270 | 29.47977 | 6.480648 | 2.2995400 | 45.71773 | 0.11705247 | NA |

| | | | | | | | |
|----|-----|----------|-----------|-----------|----------|------------|----|
| ## | 271 | 22.37150 | 9.716981 | 1.1845700 | 55.77689 | 0.08876802 | NA |
| ## | 272 | 33.83812 | 8.007449 | 1.2171400 | 52.80899 | 0.09632779 | NA |
| ## | 273 | 28.93594 | 7.460036 | 0.9359650 | 49.54604 | 0.09756388 | NA |
| ## | 274 | 44.45885 | 6.120434 | 2.3820300 | 51.37085 | 0.06693519 | NA |
| ## | 275 | 33.62218 | 7.899628 | 0.7237510 | 48.67021 | 0.08234020 | NA |
| ## | 276 | 29.45431 | 5.823068 | 2.0875800 | 60.14286 | 0.10254830 | NA |
| ## | 277 | 32.26616 | 11.155378 | 1.6920200 | 51.44158 | 0.11618322 | NA |
| ## | 278 | 30.29397 | 8.302920 | 1.6199300 | 44.98141 | 0.10881173 | NA |
| ## | 279 | 30.50952 | 9.322779 | 0.8333420 | 46.41288 | 0.11716868 | NA |
| ## | 280 | 28.89518 | 9.990301 | 1.7421900 | 51.70532 | 0.11717038 | NA |
| ## | 281 | 33.01081 | 9.479554 | 1.8003600 | 46.82441 | 0.10084250 | NA |
| ## | 282 | 31.49100 | 5.736894 | 1.6044200 | 51.30435 | 0.08529349 | NA |
| ## | 283 | 30.93347 | 9.046455 | 1.4065700 | 43.63868 | 0.08265495 | NA |
| ## | 284 | 32.81963 | 7.929104 | 1.3388600 | 49.66443 | 0.08250436 | NA |
| ## | 285 | 27.58817 | 10.995851 | 1.0619200 | 44.19226 | 0.11567506 | NA |
| ## | 286 | 41.48045 | 11.757720 | 0.4801490 | 46.32107 | 0.13189548 | NA |
| ## | 287 | 35.88235 | 9.742351 | 1.5987600 | 52.87500 | 0.09572917 | NA |
| ## | 288 | 37.45455 | 8.414239 | 0.7389340 | 48.38235 | 0.10927962 | NA |
| ## | 289 | 30.53221 | 9.930314 | 1.1191800 | 59.43152 | 0.08389134 | NA |
| ## | 290 | 34.45671 | 9.162562 | 1.2660900 | 43.60700 | 0.09966500 | NA |
| ## | 291 | 28.89734 | 4.658077 | 1.5127500 | 55.70571 | 0.07269945 | NA |
| ## | 292 | 31.06152 | 8.806262 | 0.3026390 | 52.55376 | 0.10967258 | NA |
| ## | 293 | 34.38914 | 8.361582 | 0.2946190 | 51.12360 | 0.11434688 | NA |
| ## | 294 | 30.95238 | 6.672932 | 1.2307200 | 45.29915 | 0.09772953 | NA |
| ## | 295 | 36.15385 | 8.988764 | 1.0856100 | 48.31288 | 0.06682480 | NA |
| ## | 296 | 30.49898 | 10.125448 | 0.5354400 | 45.77554 | 0.10231460 | NA |
| ## | 297 | 34.68170 | 10.572687 | 1.1798900 | 45.34483 | 0.09623735 | NA |
| ## | 298 | 33.79196 | 11.168385 | 1.8883200 | 56.93904 | 0.09379034 | NA |
| ## | 299 | 31.59763 | 5.906822 | 1.7209400 | 50.43263 | 0.09849744 | NA |
| ## | 300 | 34.73622 | 6.945863 | 1.7004600 | 42.68456 | 0.09672226 | NA |
| ## | 301 | 33.63897 | 8.533554 | 1.6544500 | 51.56463 | 0.09329145 | NA |
| ## | 302 | 43.89657 | 6.133540 | 2.2527600 | 47.51067 | 0.06591635 | NA |
| ## | 303 | 35.48796 | 8.255159 | 1.6169100 | 49.33135 | 0.08072300 | NA |
| ## | 304 | 28.87486 | 6.408228 | 0.9169100 | 59.29919 | 0.09219760 | NA |
| ## | 305 | 30.71895 | 8.341811 | 1.3601400 | 48.76374 | 0.08975542 | NA |
| ## | 306 | 29.26402 | 7.918969 | 1.2451600 | 54.75234 | 0.10255836 | NA |
| ## | 307 | 36.34640 | 6.392694 | 1.6332200 | 44.81793 | 0.11380865 | NA |
| ## | 308 | 31.64942 | 7.676349 | 0.9122390 | 43.52617 | 0.09313561 | NA |
| ## | 309 | 32.14900 | 6.914434 | 0.9916870 | 53.51351 | 0.09706359 | NA |
| ## | 310 | 35.39604 | 8.028546 | 1.7898500 | 62.94118 | 0.08679754 | NA |
| ## | 311 | 23.84888 | 6.726014 | 0.6447690 | 50.33113 | 0.09077193 | NA |
| ## | 312 | 35.67807 | 7.420814 | 1.8023500 | 57.02592 | 0.07906028 | NA |
| ## | 313 | 29.61985 | 9.115282 | 1.6955400 | 50.61425 | 0.08219083 | NA |
| ## | 314 | 34.13606 | 5.948718 | 0.2551600 | 53.24675 | 0.09061556 | NA |
| ## | 315 | 32.95880 | 8.104887 | 1.0530500 | 45.95880 | 0.12366803 | NA |
| ## | 316 | 29.75477 | 8.462238 | 2.0020400 | 45.20548 | 0.10610514 | NA |
| ## | 317 | 33.65201 | 8.244423 | 1.8601100 | 51.62200 | 0.06459013 | NA |
| ## | 318 | 36.67732 | 8.286778 | 0.7611220 | 52.38806 | 0.07303314 | NA |
| ## | 319 | 22.18268 | 7.866184 | 1.1365200 | 48.21664 | 0.06467989 | NA |
| ## | 320 | 35.07822 | 9.805654 | 0.8934030 | 48.48485 | 0.10064902 | NA |
| ## | 321 | 30.35044 | 6.457926 | 1.2521800 | 51.40449 | 0.09302326 | NA |
| ## | 322 | 31.43916 | 6.914894 | 1.1553700 | 60.37196 | 0.09081857 | NA |
| ## | 323 | 39.78495 | 5.737705 | 1.4703900 | 54.64334 | 0.10388459 | NA |
| ## | 324 | 25.76099 | 6.096362 | 1.7192300 | 50.19506 | 0.09047693 | NA |
| ## | 325 | 30.36620 | 8.481675 | 0.9470450 | 43.53741 | 0.09988363 | NA |
| ## | 326 | 35.96639 | 10.045249 | 0.9620450 | 42.30236 | 0.10882822 | NA |
| ## | 327 | 37.56345 | 6.384977 | 1.6230700 | 48.12500 | 0.08097755 | NA |
| ## | 328 | 34.97604 | 7.103825 | 1.6909700 | 39.83740 | 0.06797514 | NA |
| ## | 329 | 34.42928 | 4.328224 | 0.7208960 | 49.19942 | 0.04809868 | NA |
| ## | 330 | 28.00467 | 10.595447 | 0.7187810 | 61.57083 | 0.12320596 | NA |
| ## | 331 | 35.67693 | 11.082251 | 1.4049200 | 43.69427 | 0.08359046 | NA |
| ## | 332 | 31.63743 | 5.998033 | 1.9316500 | 48.79090 | 0.07594399 | NA |
| ## | 333 | 25.40366 | 8.386509 | 1.7632100 | 51.00134 | 0.09908767 | NA |
| ## | 334 | 37.03927 | 5.422222 | 1.1786500 | 59.27476 | 0.07163332 | NA |
| ## | 335 | 31.20301 | 8.233276 | 0.9907430 | 44.35591 | 0.08771162 | NA |
| ## | 336 | 30.68044 | 7.088123 | 1.0809100 | 43.41534 | 0.09517036 | NA |
| ## | 337 | 28.93873 | 8.012487 | 0.9889720 | 43.90897 | 0.08406222 | NA |
| ## | 338 | 27.04518 | 8.995816 | 0.5639280 | 48.80383 | 0.06841696 | NA |
| ## | 339 | 32.74232 | 8.717949 | 0.7096710 | 52.87518 | 0.08790001 | NA |
| ## | 340 | 30.36530 | 6.445498 | 0.0127775 | 47.87645 | 0.10129491 | NA |
| ## | 341 | 26.48883 | 5.632184 | 1.3255700 | 52.36167 | 0.09263442 | NA |
| ## | 342 | 31.30990 | 9.386282 | 0.7958250 | 53.27103 | 0.08609715 | NA |
| ## | 343 | 30.92236 | 6.022727 | 0.7458730 | 57.48031 | 0.10108323 | NA |
| ## | 344 | 31.58220 | 9.523810 | 1.1487000 | 52.13270 | 0.07899421 | NA |
| ## | 345 | 29.32657 | 5.138889 | 1.8991600 | 54.78927 | 0.09537853 | NA |
| ## | 346 | 28.81264 | 8.057395 | 0.6764010 | 56.14035 | 0.10372438 | NA |
| ## | 347 | 27.23785 | 9.217877 | 1.2833300 | 38.31361 | 0.08208139 | NA |
| ## | 348 | 31.14754 | 6.916996 | 1.6735900 | 51.50215 | 0.10075138 | NA |
| ## | 349 | 33.85870 | 7.099036 | 0.6061740 | 50.13193 | 0.10398514 | NA |

| | | | | | | | |
|----|-----|------------------------|-----------|-----------|-----------------|------------|----------|
| ## | 350 | 28.83642 | 9.251559 | 0.0000000 | 51.05263 | 0.09960894 | NA |
| ## | 351 | 39.18495 | 6.079665 | 0.9418470 | 41.52139 | 0.07110251 | NA |
| ## | 352 | 33.07509 | 7.685512 | 0.8458300 | 45.45455 | 0.07198949 | NA |
| ## | 353 | 27.36721 | 9.154930 | 0.6525860 | 41.89781 | 0.06952635 | NA |
| ## | 354 | 37.72563 | 5.809524 | 1.0162200 | 54.30108 | 0.09468968 | NA |
| ## | 355 | 26.40321 | 6.616257 | 0.5057070 | 46.33803 | 0.08377983 | NA |
| ## | 356 | 32.77545 | 5.697674 | 0.2852800 | 52.24913 | 0.08285172 | NA |
| ## | 357 | 33.77338 | 8.292282 | 1.1489500 | 47.49679 | 0.11247057 | NA |
| ## | 358 | 35.62290 | 5.741127 | 0.6322360 | 46.36210 | 0.07743689 | NA |
| ## | 359 | 23.31142 | 7.170172 | 1.1962000 | 47.73663 | 0.09307198 | NA |
| ## | 360 | 38.58131 | 10.742188 | 0.8640710 | 53.35320 | 0.10945591 | NA |
| ## | 361 | 36.41545 | 5.353535 | 0.8219450 | 50.40258 | 0.11314360 | NA |
| ## | 362 | 26.80301 | 10.187668 | 0.7945000 | 48.51904 | 0.10565359 | NA |
| ## | 363 | 32.83936 | 6.269270 | 0.6584230 | 52.20294 | 0.09604641 | NA |
| ## | 364 | 30.28846 | 4.734300 | 1.0210600 | 41.71220 | 0.08655187 | NA |
| ## | | Avg.Possession.Length. | Defense. | FTPct | EffectiveHeight | OffFT | Def2PtFG |
| ## | 1 | | 19.1 | 78.42190 | 2.08 | 17.78021 | 50.02447 |
| ## | 2 | | 17.7 | 74.50683 | 0.82 | 18.17172 | 51.18994 |
| ## | 3 | | 18.8 | 73.68421 | -0.58 | 16.56467 | 43.13929 |
| ## | 4 | | 17.7 | 71.36294 | 1.40 | 17.17023 | 51.29841 |
| ## | 5 | | 18.6 | 73.35474 | 1.24 | 19.08939 | 46.38554 |
| ## | 6 | | 16.5 | 71.80723 | 2.38 | 20.37607 | 53.11653 |
| ## | 7 | | 18.0 | 76.43098 | -0.28 | 17.00375 | 53.27354 |
| ## | 8 | | 17.5 | 78.07263 | 1.73 | 22.31537 | 50.04669 |
| ## | 9 | | 18.4 | 80.09259 | 0.70 | 18.15320 | 50.30461 |
| ## | 10 | | 18.0 | 75.74526 | 1.22 | 21.07843 | 47.55120 |
| ## | 11 | | 18.0 | 75.27048 | 0.72 | 18.62333 | 53.70892 |
| ## | 12 | | 17.4 | 82.79570 | 1.39 | 20.26316 | 49.65695 |
| ## | 13 | | 18.3 | 68.98638 | 0.32 | 17.57903 | 47.37810 |
| ## | 14 | | 17.7 | 78.49462 | 0.36 | 21.51013 | 46.50774 |
| ## | 15 | | 17.6 | 72.53363 | 1.45 | 23.21493 | 49.24087 |
| ## | 16 | | 16.8 | 73.79973 | 1.38 | 19.11190 | 49.18288 |
| ## | 17 | | 18.3 | 69.50000 | -0.46 | 23.38099 | 39.92640 |
| ## | 18 | | 19.1 | 76.58802 | 1.53 | 16.75268 | 52.05353 |
| ## | 19 | | 17.6 | 73.02326 | 0.52 | 18.32685 | 51.15090 |
| ## | 20 | | 16.5 | 75.92339 | 1.82 | 20.06508 | 56.53940 |
| ## | 21 | | 18.0 | 71.11111 | 1.87 | 13.99602 | 48.46894 |
| ## | 22 | | 17.4 | 69.51424 | 1.31 | 17.67462 | 56.72098 |
| ## | 23 | | 17.7 | 74.78134 | 1.00 | 19.65517 | 50.04405 |
| ## | 24 | | 18.1 | 70.53872 | 0.41 | 15.68114 | 44.97649 |
| ## | 25 | | 17.7 | 73.79603 | -0.68 | 20.45544 | 44.78243 |
| ## | 26 | | 18.2 | 70.32787 | 1.18 | 17.93478 | 44.50785 |
| ## | 27 | | 18.9 | 72.30483 | 0.75 | 15.33307 | 50.75155 |
| ## | 28 | | 18.1 | 72.07207 | 3.21 | 19.04006 | 49.89078 |
| ## | 29 | | 18.1 | 74.57912 | -0.69 | 18.33609 | 46.92687 |
| ## | 30 | | 18.7 | 74.78559 | 1.32 | 18.25031 | 49.56298 |
| ## | 31 | | 17.7 | 69.98492 | 0.30 | 17.62918 | 43.56355 |
| ## | 32 | | 17.9 | 76.31579 | 1.75 | 19.60239 | 52.96882 |
| ## | 33 | | 17.7 | 73.74150 | -0.21 | 19.16549 | 50.22866 |
| ## | 34 | | 18.0 | 79.06574 | 0.66 | 17.89350 | 48.19599 |
| ## | 35 | | 17.4 | 71.70596 | 1.65 | 21.38131 | 48.60234 |
| ## | 36 | | 17.7 | 73.97004 | 2.93 | 15.85072 | 55.65294 |
| ## | 37 | | 17.2 | 74.81481 | -0.54 | 20.02379 | 49.38377 |
| ## | 38 | | 17.6 | 79.42387 | 0.20 | 22.25211 | 49.79757 |
| ## | 39 | | 18.4 | 74.75248 | -1.28 | 18.72675 | 43.79487 |
| ## | 40 | | 17.3 | 73.35286 | 2.20 | 19.81804 | 49.82964 |
| ## | 41 | | 17.9 | 68.37945 | 1.40 | 20.28136 | 48.91832 |
| ## | 42 | | 18.0 | 79.43787 | 0.49 | 21.50581 | 52.29277 |
| ## | 43 | | 17.9 | 74.86413 | 0.53 | 20.65992 | 48.77850 |
| ## | 44 | | 17.9 | 78.04878 | -0.05 | 22.76151 | 52.08333 |
| ## | 45 | | 18.3 | 77.81629 | -0.47 | 18.03937 | 49.70787 |
| ## | 46 | | 18.1 | 73.32242 | 0.98 | 18.74477 | 47.15162 |
| ## | 47 | | 18.4 | 66.72968 | 1.79 | 17.42349 | 40.75269 |
| ## | 48 | | 17.6 | 70.58824 | 1.67 | 18.58518 | 50.75922 |
| ## | 49 | | 18.3 | 72.08976 | 2.20 | 19.46232 | 46.01619 |
| ## | 50 | | 17.7 | 74.73997 | -1.18 | 19.74097 | 48.05683 |
| ## | 51 | | 17.6 | 71.02041 | -0.03 | 20.36676 | 47.75737 |
| ## | 52 | | 19.0 | 70.17291 | 0.31 | 19.08307 | 45.21277 |
| ## | 53 | | 17.8 | 72.03390 | 0.20 | 15.58918 | 51.59113 |
| ## | 54 | | 18.1 | 66.81034 | 1.39 | 13.31615 | 54.67958 |
| ## | 55 | | 17.6 | 74.80680 | 1.15 | 20.71031 | 45.06419 |
| ## | 56 | | 18.0 | 80.03802 | 0.27 | 17.38951 | 44.18500 |
| ## | 57 | | 17.6 | 72.75923 | 1.41 | 15.91696 | 51.13685 |
| ## | 58 | | 18.1 | 70.73906 | -1.33 | 22.01878 | 51.18790 |
| ## | 59 | | 18.6 | 70.72785 | -0.79 | 19.14347 | 42.67740 |
| ## | 60 | | 17.6 | 75.58824 | 0.96 | 20.96248 | 50.57269 |
| ## | 61 | | 18.3 | 78.19905 | 1.88 | 20.38715 | 46.93427 |
| ## | 62 | | 17.3 | 65.16634 | -0.78 | 14.95957 | 56.70103 |
| ## | 63 | | 17.3 | 74.63127 | -0.39 | 19.94482 | 50.90325 |

| | | |
|--------|---------------|-------------------------|
| ## 64 | 16.8 80.59701 | 0.73 22.15839 50.09416 |
| ## 65 | 17.8 70.52239 | 0.39 13.88685 53.38403 |
| ## 66 | 16.8 71.69231 | 0.71 19.12187 55.11031 |
| ## 67 | 17.7 69.08752 | 1.12 15.87505 53.98346 |
| ## 68 | 18.3 77.69653 | 0.53 21.57360 47.70115 |
| ## 69 | 17.4 77.67380 | 1.82 22.20099 52.49622 |
| ## 70 | 17.5 71.50466 | 0.62 24.04837 53.63080 |
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| ## 72 | 17.3 75.62112 | 0.62 21.68299 44.00551 |
| ## 73 | 18.1 75.45455 | 0.87 21.37339 48.28532 |
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| ## 75 | 17.7 63.90870 | 2.18 18.59693 47.09957 |
| ## 76 | 17.7 71.79487 | 1.26 20.44625 51.97421 |
| ## 77 | 17.0 74.22680 | 1.77 20.68117 56.32184 |
| ## 78 | 17.8 74.28571 | 0.59 18.73499 53.74059 |
| ## 79 | 18.6 70.27027 | 1.51 19.61442 42.17082 |
| ## 80 | 17.5 75.44643 | 1.40 21.32941 47.81893 |
| ## 81 | 18.4 70.80925 | 0.47 22.53910 43.66412 |
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| ## 83 | 17.9 79.64912 | 0.56 18.26227 55.81181 |
| ## 84 | 18.0 76.40288 | 0.67 20.30593 50.59814 |
| ## 85 | 18.3 78.86677 | 0.83 21.94291 47.24556 |
| ## 86 | 18.4 64.70588 | 0.56 18.82516 50.11369 |
| ## 87 | 18.3 70.56452 | 1.48 15.26385 48.41054 |
| ## 88 | 17.3 71.40523 | 0.37 18.49344 52.73885 |
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| ## 90 | 18.0 71.68508 | 2.14 21.77927 45.53687 |
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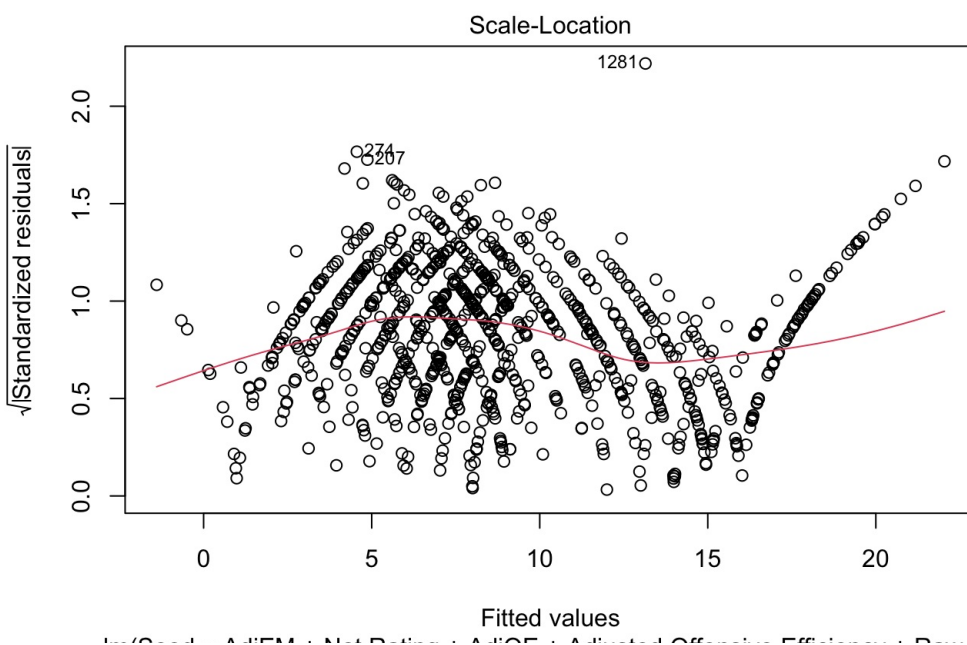
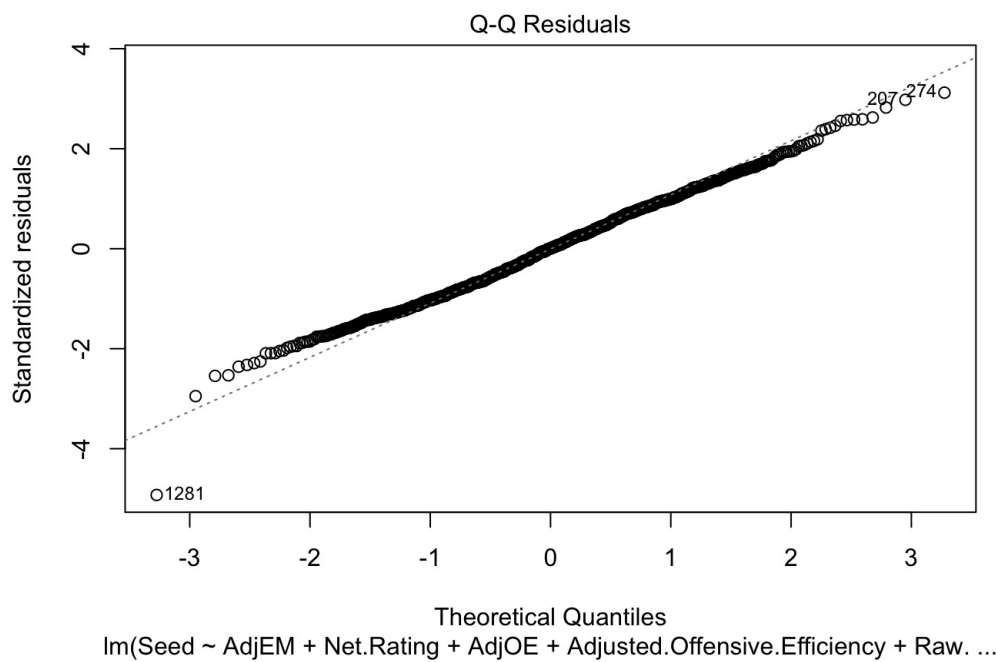
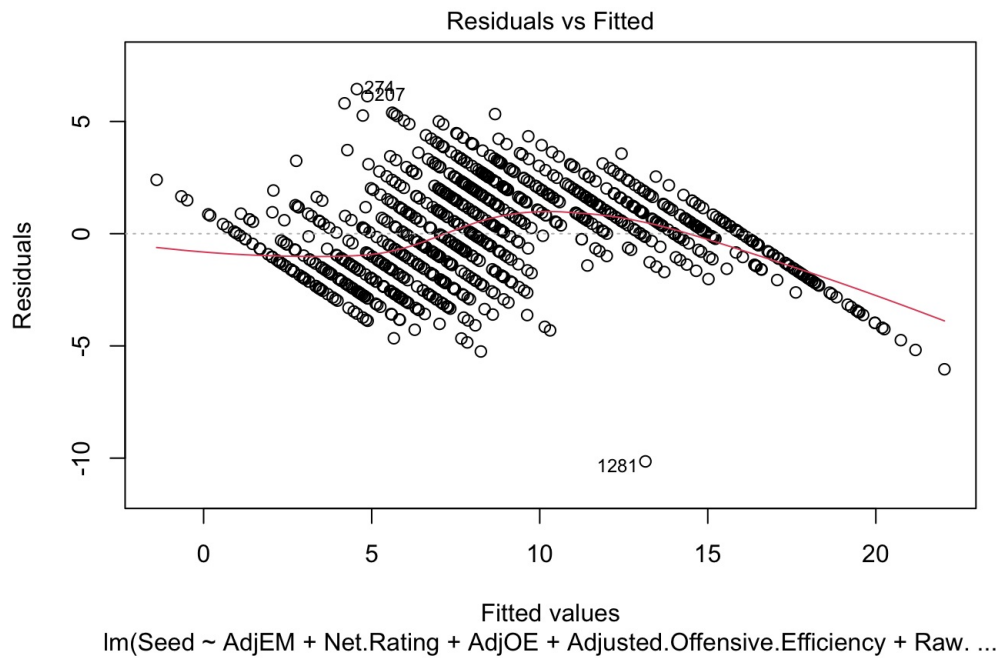
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| ## 257 | 17.2 69.18688 | 1.28 21.44120 51.12316 |
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| ## 259 | 17.4 67.89366 | -1.36 13.67381 57.43191 |
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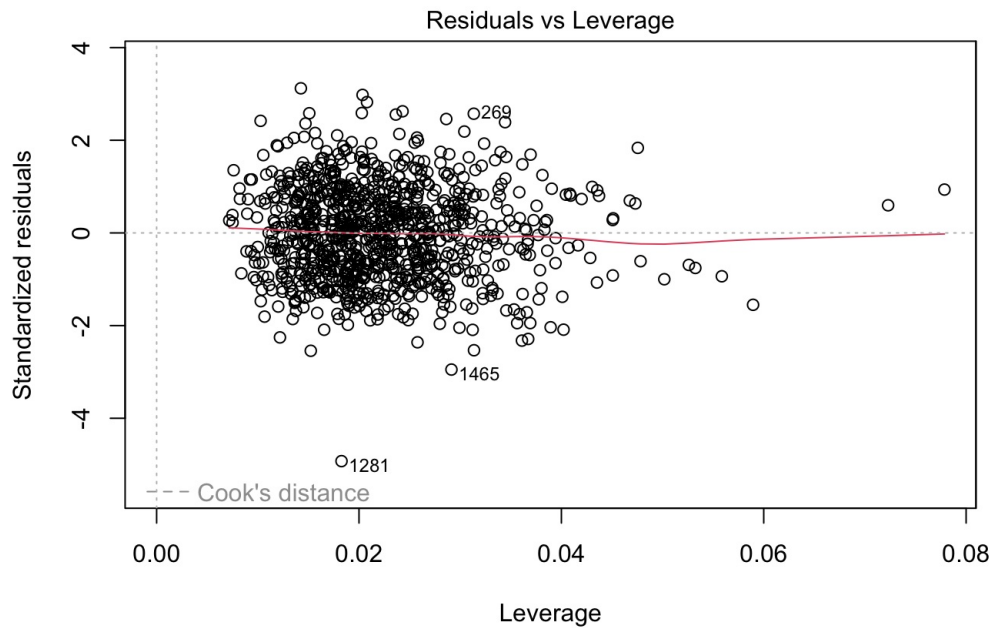
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| ## 325 | 16.7 | 71.98516 | -1.55 | 19.16049 | 46.41425 |
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| ## 331 | 16.8 | 72.47557 | -0.01 | 20.86263 | 50.84161 |
| ## 332 | 17.6 | 74.49168 | -0.68 | 19.80344 | 50.02149 |
| ## 333 | 18.5 | 73.30508 | 0.10 | 16.73114 | 51.40351 |
| ## 334 | 17.3 | 78.46656 | -1.87 | 22.19659 | 48.91914 |
| ## 335 | 17.3 | 68.67470 | -0.92 | 18.94587 | 51.34228 |
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| ## 337 | 17.6 | 73.34594 | 0.06 | 18.88078 | 42.42424 |
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| ## 339 | 16.5 | 69.85560 | 0.50 | 18.97989 | 52.85412 |
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| ## 352 | 16.9 | 73.87387 | 0.93 | 19.56107 | 48.45277 |
| ## 353 | 17.2 | 72.99578 | -1.13 | 18.05846 | 53.20108 |
| ## 354 | 17.7 | 70.97289 | -0.26 | 20.62095 | 46.51925 |
| ## 355 | 16.9 | 65.29284 | -0.13 | 15.45968 | 51.53215 |
| ## 356 | 17.3 | 62.34043 | -1.63 | 17.88767 | 48.42421 |
| ## 357 | 16.8 | 69.05537 | -1.72 | 19.49425 | 55.04515 |
| ## 358 | 17.1 | 66.72968 | -0.47 | 20.65535 | 52.28332 |
| ## 359 | 17.6 | 75.89744 | -0.90 | 14.74104 | 50.38982 |
| ## 360 | 17.1 | 66.66667 | 0.19 | 22.18905 | 45.74881 |
| ## 361 | 17.3 | 67.82609 | -0.60 | 21.92243 | 49.95516 |
| ## 362 | 17.0 | 70.48193 | -1.70 | 17.54123 | 49.48372 |
| ## 363 | 17.1 | 59.02527 | 0.16 | 16.16411 | 45.81320 |
| ## 364 | 16.4 | 66.89342 | -0.77 | 19.39513 | 51.04778 |

```
model2 = lm(Seed ~ AdjEM + Net.Rating + AdjOE + Adjusted.Offensive.Efficiency +
  Raw.Offensive.Efficiency + OE + eFGPct + FG2Pct + FG3Pct + ORPct +
  FTRate + BlockPct + Experience + ARate + StlRate +
  Avg.Possession.Length..Defense. + FTPct + EffectiveHeight +
  OffFT + Def2PtFG, data = filter(df,Post.Season.Tournament == 'March Madness',Season != 2025))
```

```
plot(model2)
```



lm(Seed ~ AdjEM + Net.Rating + AdjOE + Adjusted.Offensive.Efficiency + Raw. ...



lm(Seed ~ AdjEM + Net.Rating + AdjOE + Adjusted.Offensive.Efficiency + Raw. ...

```
preds = predict(model2,filter(df,Season == 2025),interval='prediction')
preds2 = predict(model2,filter(df,Season == 2025),interval='confidence')
```

```
min_seed <- 1
max_seed <- 16
normalized_preds <- (preds - min(preds)) / (max(preds) - min(preds)) * (max_seed - min_seed) + min_seed
normalized_preds2 <- (preds2 - min(preds2)) / (max(preds2) - min(preds2)) * (max_seed - min_seed) + min_seed
```

```
predsdf = data.frame(Team = df[df$Season == 2025,]$Full.Team.Name, PredictedSeed = normalized_preds)
predsdf2 = data.frame(Team = df[df$Season == 2025,]$Full.Team.Name, PredictedSeed = normalized_preds2)
```

```
head(predsdf,4)
```

| ## | Team | PredictedSeed.fit | PredictedSeed.lwr | PredictedSeed.upr |
|------|------------------|-------------------|-------------------|-------------------|
| ## 1 | Duke Blue Devils | 2.508704 | 1.000000 | 4.017408 |
| ## 2 | Auburn Tigers | 2.651613 | 1.141675 | 4.161551 |
| ## 3 | Houston Cougars | 3.087878 | 1.553967 | 4.621789 |
| ## 4 | Florida Gators | 2.664517 | 1.163363 | 4.165671 |

```
head(predsdf2,4)
```

| ## | Team | PredictedSeed.fit | PredictedSeed.lwr | PredictedSeed.upr |
|------|------------------|-------------------|-------------------|-------------------|
| ## 1 | Duke Blue Devils | 1.316234 | 1.000000 | 1.632467 |
| ## 2 | Auburn Tigers | 1.485422 | 1.161040 | 1.809805 |
| ## 3 | Houston Cougars | 2.001913 | 1.546392 | 2.457434 |
| ## 4 | Florida Gators | 1.500700 | 1.239637 | 1.761762 |