Final Project - Predicting March Madness

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```
library(tidyverse)
library(tidymodels)
library(Stat2Data)
library(caret)
library(leaps)
library(MASS)

cbb <- read_csv("data/20082022torvik.csv")
sportsreference <- read_csv("data/sportsreference.csv")
background <- read_csv("data/teams_background.csv")

cbb <- left_join(cbb, background)

#Remove non-postseason teams and R68 losers
cbb <- cbb[!is.na(cbb$march_madness),]
cbb <- filter(cbb, !grepl("R68", march_madness))

#Cleaning up variable names, variables, etc
cbb$march_madness <- str_trim(cbb$march_madness, side = c("both"))
cbb <- rename(cbb, march_madness = march_madness)

cbb <- cbb |>
  mutate(march_madness = case_when(
    march_madness == "Sweet Sixteen" ~ "S16",
    march_madness == "Elite Eight" ~ "E8",
    march_madness == "Final Four" ~ "F4",
    march_madness == "Finals" ~ "2ND",
    march_madness == "CHAMPS" ~ "Champions",
    TRUE ~ march_madness
  ))
```

```r
cbb <- left_join(cbb, sportsreference, by = c("TEAM" = "School", "YEAR" = "Year"))
```

```r
#separated each row by round for determining differences
cbb <- mutate(cbb, round_64 = if_else(march_madness == "R64", FALSE, TRUE))
round_64 <- cbb

cbb <- mutate(cbb, round_32 =
         case_when(march_madness == "R32" ~ FALSE,
         march_madness %in% c("S16", "E8", "F4", "2ND", "Champions") ~ TRUE,
         TRUE ~ NA))
round_32 <- cbb[!is.na(cbb$round_32),]

cbb <- mutate(cbb, sweet_sixteen =
         case_when(march_madness == "S16" ~ FALSE,
         march_madness %in% c("E8", "F4", "2ND", "Champions") ~ TRUE,
         TRUE ~ NA))
sweet_sixteen <- cbb[!is.na(cbb$sweet_sixteen),]

cbb <- mutate(cbb, elite_eight =
         case_when(march_madness == "E8" ~ FALSE,
         march_madness %in% c("F4", "2ND", "Champions") ~ TRUE,
         TRUE ~ NA))
elite_eight <- cbb[!is.na(cbb$elite_eight),]

cbb <- mutate(cbb, final_four =
         case_when(march_madness == "F4" ~ FALSE,
         march_madness %in% c("2ND", "Champions") ~ TRUE,
         TRUE ~ NA))
final_four <- cbb[!is.na(cbb$final_four),]

cbb <- mutate(cbb, champ_game =
         case_when(march_madness == "2ND" ~ FALSE,
         march_madness %in% c("Champions") ~ TRUE,
         TRUE ~ NA))
champ_game <- cbb[!is.na(cbb$champ_game),]
```

```r
round_64 <- na.omit(round_64)

round_64_max <- glm(round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE +
                      `EFG%` + `EFGD%` + TOR + TORD + ORB + DRB + FTR +
```

```
                        FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `3PR` +
                        `3PRD` + `ADJ T.` + `Overall SRS` + `Overall SOS` +
                        `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
                        `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +
                        `PF/G` + WINS*G.x + LOSSES*G.x + ADJOE*ADJDE +
                        `EFG%`*`EFGD%` + TOR*TORD + ORB*DRB + FTR*FTRD +
                        `2P%`*`2P%D` + `3P%`*`3P%D` + `3PR`*`3PRD` +
                        `2P%`*`3P%` + `2P%D`*`3P%D` + `AVG PPG`*`AVG DPPG` +
                        WINS*`Overall SRS` + WINS*`Overall SOS` +
                        LOSSES*`Overall SRS` + LOSSES*`Overall SOS`,
                        data = round_64,
                        family = "binomial")

round_64_min <- glm(round_64 ~ 1,
                    data = round_64,
                    family = "binomial")

round_64_model <- stepAIC(round_64_max,
        scope = list(lower = round_64_min, upper = round_64_max),
        data = round_64, direction = "both")
```

```
Start:  AIC=12868.77
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `ADJ T.` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `AST/TOV` + `PF/G` + WINS * G.x + LOSSES * G.x +
    ADJOE * ADJDE + `EFG%` * `EFGD%` + TOR * TORD + ORB * DRB +
    FTR * FTRD + `2P%` * `2P%D` + `3P%` * `3P%D` + `3PR` * `3PRD` +
    `2P%` * `3P%` + `2P%D` * `3P%D` + `AVG PPG` * `AVG DPPG` +
    WINS * `Overall SRS` + WINS * `Overall SOS` + LOSSES * `Overall SRS` +
    LOSSES * `Overall SOS`

                       Df Deviance   AIC
- `2P%`:`3P%`           1    12775 12867
- G.x:LOSSES            1    12775 12867
- `ADJ T.`              1    12775 12867
- `3PR`:`3PRD`          1    12775 12867
- `AST/TOV`             1    12775 12867
- TOR:TORD              1    12776 12868
- WINS:`Overall SRS`    1    12776 12868
- G.x:WINS              1    12776 12868
```

```
- ORB:DRB                1    12776 12868
<none>                          12775 12869
- FTR:FTRD               1    12777 12869
- LOSSES:`Overall SOS`   1    12777 12869
- LOSSES:`Overall SRS`   1    12777 12869
- ADJOE:ADJDE            1    12778 12870
- `Away W-L%`            1    12778 12870
- `2P%`:`2P%D`           1    12779 12871
- `3P%`:`3P%D`           1    12780 12872
- `AVG PD`               1    12780 12872
- WINS:`Overall SOS`     1    12781 12873
- `2P%D`:`3P%D`          1    12782 12874
- `EFG%`:`EFGD%`         1    12782 12874
- `PF/G`                 1    12783 12875
- `Home W-L%`            1    12804 12896
- `AVG PPG`:`AVG DPPG`   1    12809 12901
- `Conf. W-L%`           1    12830 12922

Step:  AIC=12866.77
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `ADJ T.` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `AST/TOV` + `PF/G` + G.x:WINS + G.x:LOSSES + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` +
    `3P%`:`3P%D` + `3PR`:`3PRD` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` +
    WINS:`Overall SRS` + WINS:`Overall SOS` + LOSSES:`Overall SRS` +
    LOSSES:`Overall SOS`

                       Df Deviance   AIC
- G.x:LOSSES            1    12775 12865
- `ADJ T.`              1    12775 12865
- `3PR`:`3PRD`          1    12775 12865
- `AST/TOV`             1    12775 12865
- TOR:TORD              1    12776 12866
- WINS:`Overall SRS`    1    12776 12866
- G.x:WINS              1    12776 12866
- ORB:DRB               1    12776 12866
<none>                         12775 12867
- FTR:FTRD              1    12777 12867
- LOSSES:`Overall SOS`  1    12777 12867
- LOSSES:`Overall SRS`  1    12777 12867
- ADJOE:ADJDE           1    12778 12868
```

```
- `Away W-L%`           1    12778 12868
+ `2P%`:`3P%`           1    12775 12869
- `2P%`:`2P%D`          1    12779 12869
- `3P%`:`3P%D`          1    12780 12870
- `AVG PD`              1    12780 12870
- WINS:`Overall SOS`    1    12781 12871
- `2P%D`:`3P%D`         1    12782 12872
- `EFG%`:`EFGD%`        1    12782 12872
- `PF/G`                1    12783 12873
- `Home W-L%`           1    12804 12894
- `AVG PPG`:`AVG DPPG`  1    12809 12899
- `Conf. W-L%`          1    12830 12920

Step:  AIC=12864.86
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `ADJ T.` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `AST/TOV` + `PF/G` + G.x:WINS + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` +
    `3P%`:`3P%D` + `3PR`:`3PRD` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` +
    WINS:`Overall SRS` + WINS:`Overall SOS` + LOSSES:`Overall SRS` +
    LOSSES:`Overall SOS`

                       Df Deviance   AIC
- `ADJ T.`              1    12775 12863
- `3PR`:`3PRD`          1    12775 12863
- `AST/TOV`             1    12775 12863
- TOR:TORD              1    12776 12864
- WINS:`Overall SRS`    1    12776 12864
- G.x:WINS              1    12776 12864
- ORB:DRB               1    12776 12864
<none>                       12775 12865
- FTR:FTRD              1    12777 12865
- LOSSES:`Overall SOS`  1    12777 12865
- LOSSES:`Overall SRS`  1    12777 12865
- ADJOE:ADJDE           1    12778 12866
- `Away W-L%`           1    12778 12866
+ G.x:LOSSES            1    12775 12867
+ `2P%`:`3P%`           1    12775 12867
- `2P%`:`2P%D`          1    12779 12867
- `3P%`:`3P%D`          1    12780 12868
- `AVG PD`              1    12780 12868
```

```
- WINS:`Overall SOS`    1    12781 12869
- `2P%D`:`3P%D`         1    12782 12870
- `EFG%`:`EFGD%`        1    12783 12871
- `PF/G`                1    12783 12871
- `Home W-L%`           1    12804 12892
- `AVG PPG`:`AVG DPPG`  1    12809 12897
- `Conf. W-L%`          1    12830 12918

Step:  AIC=12863.12
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `AST/TOV` + `PF/G` + G.x:WINS + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` +
    `3P%`:`3P%D` + `3PR`:`3PRD` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` +
    WINS:`Overall SRS` + WINS:`Overall SOS` + LOSSES:`Overall SRS` +
    LOSSES:`Overall SOS`

                       Df Deviance   AIC
- `3PR`:`3PRD`          1    12776 12862
- `AST/TOV`             1    12776 12862
- TOR:TORD              1    12776 12862
- WINS:`Overall SRS`    1    12776 12862
- G.x:WINS              1    12776 12862
- ORB:DRB               1    12777 12863
- FTR:FTRD              1    12777 12863
<none>                       12775 12863
- LOSSES:`Overall SOS`  1    12778 12864
- LOSSES:`Overall SRS`  1    12778 12864
- ADJOE:ADJDE           1    12778 12864
- `Away W-L%`           1    12779 12865
+ `ADJ T.`              1    12775 12865
+ G.x:LOSSES            1    12775 12865
+ `2P%`:`3P%`           1    12775 12865
- `2P%`:`2P%D`          1    12779 12865
- `3P%`:`3P%D`          1    12780 12866
- `AVG PD`              1    12780 12866
- WINS:`Overall SOS`    1    12781 12867
- `2P%D`:`3P%D`         1    12782 12868
- `EFG%`:`EFGD%`        1    12783 12869
- `PF/G`                1    12783 12869
- `Home W-L%`           1    12805 12891
```

```
- `AVG PPG`:`AVG DPPG`  1    12809 12895
- `Conf. W-L%`          1    12830 12916

Step:  AIC=12861.46
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `AST/TOV` + `PF/G` + G.x:WINS + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` +
    `3P%`:`3P%D` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` + WINS:`Overall SRS` +
    WINS:`Overall SOS` + LOSSES:`Overall SRS` + LOSSES:`Overall SOS`

                       Df Deviance   AIC
- `AST/TOV`             1    12776 12860
- TOR:TORD              1    12776 12860
- WINS:`Overall SRS`    1    12776 12860
- G.x:WINS              1    12777 12861
- ORB:DRB               1    12777 12861
<none>                       12776 12862
- FTR:FTRD              1    12778 12862
- `3PRD`                1    12778 12862
- LOSSES:`Overall SOS`  1    12778 12862
- LOSSES:`Overall SRS`  1    12778 12862
- ADJOE:ADJDE           1    12778 12862
- `Away W-L%`           1    12779 12863
+ `3PR`:`3PRD`          1    12775 12863
+ `ADJ T.`              1    12775 12863
+ G.x:LOSSES            1    12775 12863
+ `2P%`:`3P%`           1    12775 12863
- `2P%`:`2P%D`          1    12780 12864
- `3P%`:`3P%D`          1    12780 12864
- `AVG PD`              1    12781 12865
- WINS:`Overall SOS`    1    12782 12866
- `2P%D`:`3P%D`         1    12782 12866
- `EFG%`:`EFGD%`        1    12783 12867
- `3PR`                 1    12783 12867
- `PF/G`                1    12784 12868
- `Home W-L%`           1    12805 12889
- `AVG PPG`:`AVG DPPG`  1    12810 12894
- `Conf. W-L%`          1    12831 12915

Step:  AIC=12859.8
```

```
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` +
    TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` +
    `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` + WINS:`Overall SRS` +
    WINS:`Overall SOS` + LOSSES:`Overall SRS` + LOSSES:`Overall SOS`

                        Df Deviance   AIC
- TOR:TORD               1    12777 12859
- WINS:`Overall SRS`     1    12777 12859
- G.x:WINS               1    12777 12859
- ORB:DRB                1    12777 12859
<none>                        12776 12860
- `3PRD`                 1    12778 12860
- FTR:FTRD               1    12778 12860
- LOSSES:`Overall SOS`   1    12778 12860
- LOSSES:`Overall SRS`   1    12778 12860
- ADJOE:ADJDE            1    12779 12861
- `Away W-L%`            1    12779 12861
+ `AST/TOV`              1    12776 12862
+ `3PR`:`3PRD`           1    12776 12862
+ `ADJ T.`               1    12776 12862
+ G.x:LOSSES             1    12776 12862
+ `2P%`:`3P%`            1    12776 12862
- `2P%`:`2P%D`           1    12780 12862
- `3P%`:`3P%D`           1    12780 12862
- `AVG PD`               1    12781 12863
- WINS:`Overall SOS`     1    12782 12864
- `2P%D`:`3P%D`          1    12783 12865
- `EFG%`:`EFGD%`         1    12783 12865
- `3PR`                  1    12783 12865
- `PF/G`                 1    12786 12868
- `Home W-L%`            1    12805 12887
- `AVG PPG`:`AVG DPPG`   1    12810 12892
- `Conf. W-L%`           1    12831 12913

Step:  AIC=12858.85
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
```

```
    `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` +
    ORB:DRB + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` +
    `AVG PPG`:`AVG DPPG` + WINS:`Overall SRS` + WINS:`Overall SOS` +
    LOSSES:`Overall SRS` + LOSSES:`Overall SOS`

                       Df Deviance   AIC
- TOR                   1    12778 12858
- WINS:`Overall SRS`    1    12778 12858
- ORB:DRB               1    12778 12858
- G.x:WINS              1    12778 12858
<none>                       12777 12859
- `3PRD`                1    12779 12859
- TORD                  1    12779 12859
- ADJOE:ADJDE           1    12779 12859
- FTR:FTRD              1    12779 12859
- LOSSES:`Overall SOS`  1    12779 12859
- LOSSES:`Overall SRS`  1    12780 12860
+ TOR:TORD              1    12776 12860
- `Away W-L%`           1    12780 12860
+ `AST/TOV`             1    12776 12860
+ `3PR`:`3PRD`          1    12776 12860
+ `ADJ T.`              1    12777 12861
+ G.x:LOSSES            1    12777 12861
+ `2P%`:`3P%`           1    12777 12861
- `2P%`:`2P%D`          1    12781 12861
- `3P%`:`3P%D`          1    12782 12862
- `AVG PD`              1    12782 12862
- WINS:`Overall SOS`    1    12784 12864
- `2P%D`:`3P%D`         1    12784 12864
- `3PR`                 1    12785 12865
- `EFG%`:`EFGD%`        1    12785 12865
- `PF/G`                1    12787 12867
- `Home W-L%`           1    12806 12886
- `AVG PPG`:`AVG DPPG`  1    12811 12891
- `Conf. W-L%`          1    12833 12913

Step:  AIC=12857.79
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` +
    ORB:DRB + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` +
```

```
    `AVG PPG`:`AVG DPPG` + WINS:`Overall SRS` + WINS:`Overall SOS` +
    LOSSES:`Overall SRS` + LOSSES:`Overall SOS`

                       Df Deviance   AIC
- WINS:`Overall SRS`    1    12779 12857
- ORB:DRB               1    12779 12857
- G.x:WINS              1    12779 12857
- `3PRD`                1    12780 12858
<none>                       12778 12858
- ADJOE:ADJDE           1    12780 12858
- LOSSES:`Overall SRS`  1    12780 12858
- FTR:FTRD              1    12780 12858
- LOSSES:`Overall SOS`  1    12781 12859
- TORD                  1    12781 12859
+ TOR                   1    12777 12859
- `Away W-L%`           1    12781 12859
+ `AST/TOV`             1    12777 12859
+ `3PR`:`3PRD`          1    12778 12860
+ `ADJ T.`              1    12778 12860
+ G.x:LOSSES            1    12778 12860
+ `2P%`:`3P%`           1    12778 12860
- `2P%`:`2P%D`          1    12782 12860
- `3P%`:`3P%D`          1    12782 12860
- `AVG PD`              1    12783 12861
- `2P%D`:`3P%D`         1    12784 12862
- WINS:`Overall SOS`    1    12785 12863
- `EFG%`:`EFGD%`        1    12786 12864
- `3PR`                 1    12787 12865
- `PF/G`                1    12789 12867
- `Home W-L%`           1    12807 12885
- `AVG PPG`:`AVG DPPG`  1    12812 12890
- `Conf. W-L%`          1    12834 12912

Step:  AIC=12856.88
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` +
    ORB:DRB + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` +
    `AVG PPG`:`AVG DPPG` + WINS:`Overall SOS` + LOSSES:`Overall SRS` +
    LOSSES:`Overall SOS`
```

```
                       Df Deviance   AIC
- ORB:DRB               1    12780 12856
- LOSSES:`Overall SOS`  1    12781 12857
- `3PRD`                1    12781 12857
<none>                       12779 12857
- G.x:WINS              1    12781 12857
- ADJOE:ADJDE           1    12781 12857
- LOSSES:`Overall SRS`  1    12781 12857
- FTR:FTRD              1    12782 12858
+ WINS:`Overall SRS`    1    12778 12858
- TORD                  1    12782 12858
+ TOR                   1    12778 12858
- `Away W-L%`           1    12782 12858
+ `AST/TOV`             1    12778 12858
+ `3PR`:`3PRD`          1    12779 12859
+ `ADJ T.`              1    12779 12859
+ G.x:LOSSES            1    12779 12859
+ `2P%`:`3P%`           1    12779 12859
- `2P%`:`2P%D`          1    12783 12859
- `3P%`:`3P%D`          1    12783 12859
- `AVG PD`              1    12784 12860
- `2P%D`:`3P%D`         1    12785 12861
- WINS:`Overall SOS`    1    12786 12862
- `EFG%`:`EFGD%`        1    12787 12863
- `3PR`                 1    12788 12864
- `PF/G`                1    12790 12866
- `Home W-L%`           1    12808 12884
- `AVG PPG`:`AVG DPPG`  1    12813 12889
- `Conf. W-L%`          1    12835 12911

Step:  AIC=12856.21
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TORD + ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` +
    `3P%D` + `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +
    `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` +
    FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` +
    `AVG PPG`:`AVG DPPG` + WINS:`Overall SOS` + LOSSES:`Overall SRS` +
    LOSSES:`Overall SOS`

                       Df Deviance   AIC
- DRB                   1    12780 12854
- LOSSES:`Overall SOS`  1    12782 12856
```

```
- `3PRD`                1    12782 12856
<none>                       12780 12856
- G.x:WINS              1    12782 12856
- ADJOE:ADJDE           1    12783 12857
- FTR:FTRD              1    12783 12857
- LOSSES:`Overall SRS`  1    12783 12857
+ ORB:DRB               1    12779 12857
- TORD                  1    12783 12857
+ WINS:`Overall SRS`    1    12779 12857
+ TOR                   1    12779 12857
- `Away W-L%`           1    12784 12858
- ORB                   1    12784 12858
+ `AST/TOV`             1    12780 12858
+ `ADJ T.`              1    12780 12858
+ `3PR`:`3PRD`          1    12780 12858
+ G.x:LOSSES            1    12780 12858
+ `2P%`:`3P%`           1    12780 12858
- `2P%`:`2P%D`          1    12784 12858
- `3P%`:`3P%D`          1    12785 12859
- `AVG PD`              1    12786 12860
- `2P%D`:`3P%D`         1    12787 12861
- WINS:`Overall SOS`    1    12788 12862
- `EFG%`:`EFGD%`        1    12788 12862
- `3PR`                 1    12790 12864
- `PF/G`                1    12791 12865
- `Home W-L%`           1    12809 12883
- `AVG PPG`:`AVG DPPG`  1    12815 12889
- `Conf. W-L%`          1    12836 12910

Step:  AIC=12854.25
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TORD + ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +
    `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` + FTR:FTRD +
    `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` +
    WINS:`Overall SOS` + LOSSES:`Overall SRS` + LOSSES:`Overall SOS`

                        Df Deviance   AIC
- LOSSES:`Overall SOS`  1    12782 12854
- `3PRD`                1    12782 12854
<none>                       12780 12854
- G.x:WINS              1    12782 12854
```

```
- ADJOE:ADJDE           1    12783 12855
- FTR:FTRD              1    12783 12855
- LOSSES:`Overall SRS`  1    12783 12855
+ WINS:`Overall SRS`    1    12779 12855
+ TOR                   1    12779 12855
- `Away W-L%`           1    12784 12856
- ORB                   1    12784 12856
+ `AST/TOV`             1    12780 12856
+ `ADJ T.`              1    12780 12856
+ `3PR`:`3PRD`          1    12780 12856
+ G.x:LOSSES            1    12780 12856
+ DRB                   1    12780 12856
- `2P%`:`2P%D`          1    12784 12856
+ `2P%`:`3P%`           1    12780 12856
- `3P%`:`3P%D`          1    12785 12857
- `AVG PD`              1    12786 12858
- `2P%D`:`3P%D`         1    12787 12859
- TORD                  1    12787 12859
- WINS:`Overall SOS`    1    12788 12860
- `EFG%`:`EFGD%`        1    12788 12860
- `3PR`                 1    12790 12862
- `PF/G`                1    12791 12863
- `Home W-L%`           1    12809 12881
- `AVG PPG`:`AVG DPPG`  1    12815 12887
- `Conf. W-L%`          1    12836 12908

Step:  AIC=12854.04
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TORD + ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +
    `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` + FTR:FTRD +
    `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` +
    WINS:`Overall SOS` + LOSSES:`Overall SRS`

                       Df Deviance   AIC
- LOSSES:`Overall SRS`  1    12783 12853
- G.x:WINS              1    12784 12854
- `3PRD`                1    12784 12854
<none>                       12782 12854
- ADJOE:ADJDE           1    12784 12854
+ LOSSES:`Overall SOS`  1    12780 12854
- FTR:FTRD              1    12784 12854
```

```
+ TOR                    1    12781 12855
- `Away W-L%`           1    12785 12855
- ORB                   1    12786 12856
+ `AST/TOV`             1    12782 12856
+ `ADJ T.`              1    12782 12856
+ `3PR`:`3PRD`          1    12782 12856
+ G.x:LOSSES            1    12782 12856
+ WINS:`Overall SRS`    1    12782 12856
+ DRB                   1    12782 12856
+ `2P%`:`3P%`           1    12782 12856
- `2P%`:`2P%D`          1    12786 12856
- `3P%`:`3P%D`          1    12787 12857
- `AVG PD`              1    12787 12857
- WINS:`Overall SOS`    1    12789 12859
- `2P%D`:`3P%D`         1    12789 12859
- TORD                  1    12790 12860
- `EFG%`:`EFGD%`        1    12791 12861
- `3PR`                 1    12791 12861
- `PF/G`                1    12793 12863
- `Home W-L%`           1    12810 12880
- `AVG PPG`:`AVG DPPG`  1    12817 12887
- `Conf. W-L%`          1    12839 12909

Step:  AIC=12853.29
round_64 ~ G.x + WINS + LOSSES + ADJOE + ADJDE + `EFG%` + `EFGD%` +
    TORD + ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `3PR` + `3PRD` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +
    `PF/G` + G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` + FTR:FTRD +
    `2P%`:`2P%D` + `3P%`:`3P%D` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` +
    WINS:`Overall SOS`


Step:  AIC=12853.29
round_64 ~ G.x + WINS + ADJOE + ADJDE + `EFG%` + `EFGD%` + TORD +
    ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `3PR` +
    `3PRD` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +
    `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` +
    G.x:WINS + ADJOE:ADJDE + `EFG%`:`EFGD%` + FTR:FTRD + `2P%`:`2P%D` +
    `3P%`:`3P%D` + `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` + WINS:`Overall SOS`

                       Df Deviance   AIC
- `Overall SRS`         1    12783 12851
```

```
- `3PRD`                1    12785 12853
- G.x:WINS              1    12785 12853
<none>                       12783 12853
- FTR:FTRD              1    12786 12854
+ TOR                   1    12782 12854
- ADJOE:ADJDE           1    12786 12854
- `Away W-L%`           1    12786 12854
+ WINS:`Overall SRS`    1    12782 12854
- ORB                   1    12787 12855
+ `AST/TOV`             1    12783 12855
+ `ADJ T.`              1    12783 12855
+ `3PR`:`3PRD`          1    12783 12855
+ `2P%`:`3P%`           1    12783 12855
+ DRB                   1    12783 12855
- `2P%`:`2P%D`          1    12787 12855
- `3P%`:`3P%D`          1    12788 12856
- `AVG PD`              1    12789 12857
- `2P%D`:`3P%D`         1    12790 12858
- TORD                  1    12791 12859
- `EFG%`:`EFGD%`        1    12792 12860
- `3PR`                 1    12793 12861
- `PF/G`                1    12794 12862
- WINS:`Overall SOS`    1    12797 12865
- `Home W-L%`           1    12811 12879
- `AVG PPG`:`AVG DPPG`  1    12818 12886
- `Conf. W-L%`          1    12841 12909

Step:  AIC=12851.31
round_64 ~ G.x + WINS + ADJOE + ADJDE + `EFG%` + `EFGD%` + TORD +
    ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `3PR` +
    `3PRD` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` +
    `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` + WINS:`Overall SOS`

                       Df Deviance   AIC
- `3PRD`                1    12785 12851
- G.x:WINS              1    12785 12851
<none>                       12783 12851
- FTR:FTRD              1    12786 12852
+ TOR                   1    12782 12852
- `Away W-L%`           1    12786 12852
- ADJOE:ADJDE           1    12786 12852
```

```
- ORB                    1    12787 12853
+ `AST/TOV`              1    12783 12853
+ `ADJ T.`               1    12783 12853
+ `3PR`:`3PRD`           1    12783 12853
+ `Overall SRS`          1    12783 12853
+ `2P%`:`3P%`            1    12783 12853
+ DRB                    1    12783 12853
- `2P%`:`2P%D`           1    12787 12853
- `3P%`:`3P%D`           1    12788 12854
- `AVG PD`               1    12789 12855
- `2P%D`:`3P%D`          1    12790 12856
- TORD                   1    12791 12857
- `EFG%`:`EFGD%`         1    12792 12858
- `3PR`                  1    12793 12859
- `PF/G`                 1    12794 12860
- WINS:`Overall SOS`     1    12797 12863
- `Home W-L%`            1    12812 12878
- `AVG PPG`:`AVG DPPG`   1    12819 12885
- `Conf. W-L%`           1    12841 12907

Step:  AIC=12850.97
round_64 ~ G.x + WINS + ADJOE + ADJDE + `EFG%` + `EFGD%` + TORD +
    ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `3PR` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` + G.x:WINS + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` +
    `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` + WINS:`Overall SOS`

                       Df Deviance   AIC
- G.x:WINS              1    12787 12851
<none>                       12785 12851
+ `3PRD`                1    12783 12851
- FTR:FTRD              1    12787 12851
+ TOR                   1    12784 12852
- ADJOE:ADJDE           1    12788 12852
- `Away W-L%`           1    12788 12852
- ORB                   1    12788 12852
+ `AST/TOV`             1    12784 12852
+ `ADJ T.`              1    12785 12853
+ `Overall SRS`         1    12785 12853
+ DRB                   1    12785 12853
+ `2P%`:`3P%`           1    12785 12853
- `2P%`:`2P%D`          1    12789 12853
```

```
- `AVG PD`              1    12790 12854
- `3P%`:`3P%D`          1    12790 12854
- `2P%D`:`3P%D`         1    12792 12856
- TORD                  1    12792 12856
- `3PR`                 1    12794 12858
- `EFG%`:`EFGD%`        1    12794 12858
- `PF/G`                1    12796 12860
- WINS:`Overall SOS`    1    12799 12863
- `Home W-L%`           1    12814 12878
- `AVG PPG`:`AVG DPPG`  1    12821 12885
- `Conf. W-L%`          1    12842 12906

Step:  AIC=12850.95
round_64 ~ G.x + WINS + ADJOE + ADJDE + `EFG%` + `EFGD%` + TORD +
    ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `3PR` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + FTR:FTRD + `2P%`:`2P%D` + `3P%`:`3P%D` +
    `2P%D`:`3P%D` + `AVG PPG`:`AVG DPPG` + WINS:`Overall SOS`

                      Df Deviance   AIC
<none>                      12787 12851
+ G.x:WINS             1    12785 12851
+ `3PRD`               1    12785 12851
- FTR:FTRD             1    12790 12852
+ TOR                  1    12786 12852
- ADJOE:ADJDE          1    12790 12852
- `Away W-L%`          1    12790 12852
- ORB                  1    12790 12852
+ `AST/TOV`            1    12787 12853
+ `ADJ T.`             1    12787 12853
+ `Overall SRS`        1    12787 12853
- G.x                  1    12791 12853
+ DRB                  1    12787 12853
+ `2P%`:`3P%`          1    12787 12853
- `2P%`:`2P%D`         1    12792 12854
- `AVG PD`             1    12792 12854
- `3P%`:`3P%D`         1    12792 12854
- TORD                 1    12794 12856
- `2P%D`:`3P%D`        1    12794 12856
- `EFG%`:`EFGD%`       1    12796 12858
- `3PR`                1    12796 12858
- `PF/G`               1    12798 12860
```

```
- WINS:`Overall SOS`    1    12799 12861
- `Home W-L%`           1    12816 12878
- `AVG PPG`:`AVG DPPG`  1    12822 12884
- `Conf. W-L%`          1    12843 12905
```

```
round_32_max <- glm(round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` +
                      TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` +
                      `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
                      `Overall SRS` + `Overall SOS` + `Conf. W-L%` +
                      `Home W-L%` + `Away W-L%` + `AVG PPG` +
                      `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
                      ADJOE*ADJDE + `EFG%`*`EFGD%` + TOR*TORD +
                      ORB*DRB + FTR*FTRD + `2P%`*`2P%D` +
                      `2P%`*`3P%` + `3P%`*`3P%D` + `AVG PPG`*`AVG DPPG`,
                      data = round_32,
                      family = "binomial")

round_32_min <- glm(round_32 ~ 1,
                    data = round_32,
                    family = "binomial")

round_32_model <- stepAIC(round_32_max,
        scope = list(lower = round_32_min,
                     upper = round_32_max),
        data = round_32, direction = "both")
```

```
Start:  AIC=7718.95
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
    `Overall SRS` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +
    `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +
    `PF/G` + ADJOE * ADJDE + `EFG%` * `EFGD%` + TOR * TORD +
    ORB * DRB + FTR * FTRD + `2P%` * `2P%D` + `2P%` * `3P%` +
    `3P%` * `3P%D` + `AVG PPG` * `AVG DPPG`

                      Df Deviance    AIC
- `ADJ T.`             1   7649.0 7717.0
- `Away W-L%`          1   7649.2 7717.2
- `2P%`:`2P%D`         1   7649.3 7717.3
- ORB:DRB              1   7649.5 7717.5
- `Overall SRS`        1   7649.5 7717.5
```

```
- FTR:FTRD              1   7650.5 7718.5
<none>                      7649.0 7719.0
- `AVG PD`             1   7651.3 7719.3
- `3P%`:`3P%D`         1   7651.4 7719.4
- `2P%`:`3P%`          1   7651.9 7719.9
- `EFG%`:`EFGD%`       1   7652.7 7720.7
- TOR:TORD             1   7652.8 7720.8
- ADJOE:ADJDE          1   7656.3 7724.3
- `AVG PPG`:`AVG DPPG` 1   7657.5 7725.5
- `Conf. W-L%`         1   7660.2 7728.2
- `Home W-L%`          1   7661.4 7729.4
- `Overall SOS`        1   7665.6 7733.6
- `AST/TOV`            1   7691.9 7759.9
- `PF/G`               1   7693.3 7761.3

Step:  AIC=7716.98
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SRS` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
    ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD +
    `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- `Away W-L%`           1   7649.2 7715.2
- `2P%`:`2P%D`          1   7649.3 7715.3
- ORB:DRB               1   7649.5 7715.5
- `Overall SRS`         1   7649.5 7715.5
- FTR:FTRD              1   7650.5 7716.5
<none>                      7649.0 7717.0
- `AVG PD`              1   7651.3 7717.3
- `3P%`:`3P%D`          1   7651.4 7717.4
- `2P%`:`3P%`           1   7652.0 7718.0
- `EFG%`:`EFGD%`        1   7652.8 7718.8
- TOR:TORD              1   7652.8 7718.8
+ `ADJ T.`              1   7649.0 7719.0
- ADJOE:ADJDE           1   7656.4 7722.4
- `AVG PPG`:`AVG DPPG`  1   7657.5 7723.5
- `Conf. W-L%`          1   7660.2 7726.2
- `Home W-L%`           1   7661.4 7727.4
- `Overall SOS`         1   7665.6 7731.6
- `AST/TOV`             1   7693.2 7759.2
- `PF/G`                1   7693.3 7759.3
```

```
Step:  AIC=7715.24
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SRS` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +
    `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` +
    `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- `2P%`:`2P%D`          1   7649.6 7713.6
- ORB:DRB               1   7649.8 7713.8
- `Overall SRS`         1   7649.9 7713.9
- FTR:FTRD              1   7650.8 7714.8
<none>                      7649.2 7715.2
- `AVG PD`              1   7651.5 7715.5
- `3P%`:`3P%D`          1   7651.6 7715.6
- `2P%`:`3P%`           1   7652.2 7716.2
+ `Away W-L%`           1   7649.0 7717.0
- `EFG%`:`EFGD%`        1   7653.0 7717.0
- TOR:TORD              1   7653.0 7717.0
+ `ADJ T.`              1   7649.2 7717.2
- ADJOE:ADJDE           1   7656.5 7720.5
- `AVG PPG`:`AVG DPPG`  1   7657.7 7721.7
- `Overall SOS`         1   7665.7 7729.7
- `Home W-L%`           1   7674.9 7738.9
- `Conf. W-L%`          1   7687.1 7751.1
- `AST/TOV`             1   7693.4 7757.4
- `PF/G`                1   7693.7 7757.7

Step:  AIC=7713.59
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SRS` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +
    `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`3P%` +
    `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- ORB:DRB               1   7650.1 7712.1
- `Overall SRS`         1   7650.2 7712.2
- `2P%D`                1   7650.6 7712.6
- FTR:FTRD              1   7651.1 7713.1
```

```
<none>                       7649.6 7713.6
- `3P%`:`3P%D`          1   7651.8 7713.8
- `AVG PD`              1   7651.9 7713.9
- `2P%`:`3P%`           1   7652.6 7714.6
+ `2P%`:`2P%D`          1   7649.2 7715.2
+ `Away W-L%`           1   7649.3 7715.3
- TOR:TORD              1   7653.4 7715.4
+ `ADJ T.`              1   7649.6 7715.6
- ADJOE:ADJDE           1   7656.7 7718.7
- `EFG%`:`EFGD%`        1   7657.3 7719.3
- `AVG PPG`:`AVG DPPG`  1   7658.1 7720.1
- `Overall SOS`         1   7666.1 7728.1
- `Home W-L%`           1   7675.2 7737.2
- `Conf. W-L%`          1   7687.4 7749.4
- `AST/TOV`             1   7693.9 7755.9
- `PF/G`                1   7694.1 7756.1

Step:  AIC=7712.12
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SRS` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +
    `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + FTR:FTRD + `2P%`:`3P%` + `3P%`:`3P%D` +
    `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
- DRB                  1   7650.3 7710.3
- `Overall SRS`        1   7650.7 7710.7
- ORB                  1   7651.1 7711.1
- `2P%D`               1   7651.1 7711.1
- FTR:FTRD             1   7651.5 7711.5
<none>                     7650.1 7712.1
- `3P%`:`3P%D`         1   7652.4 7712.4
- `AVG PD`             1   7652.6 7712.6
- `2P%`:`3P%`          1   7653.1 7713.1
+ ORB:DRB              1   7649.6 7713.6
+ `2P%`:`2P%D`         1   7649.8 7713.8
+ `Away W-L%`          1   7649.8 7713.8
+ `ADJ T.`             1   7650.1 7714.1
- TOR:TORD             1   7654.2 7714.2
- ADJOE:ADJDE          1   7657.2 7717.2
- `EFG%`:`EFGD%`       1   7658.1 7718.1
- `AVG PPG`:`AVG DPPG` 1   7658.5 7718.5
```

```
- `Overall SOS`         1   7666.8 7726.8
- `Home W-L%`           1   7675.9 7735.9
- `Conf. W-L%`          1   7687.9 7747.9
- `PF/G`                1   7694.7 7754.7
- `AST/TOV`             1   7694.7 7754.7

Step:  AIC=7710.27
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SRS` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +
    `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    `EFG%`:`EFGD%` + TOR:TORD + FTR:FTRD + `2P%`:`3P%` + `3P%`:`3P%D` +
    `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- `Overall SRS`         1   7650.8 7708.8
- `2P%D`                1   7651.2 7709.2
- ORB                   1   7651.5 7709.5
- FTR:FTRD              1   7651.7 7709.7
<none>                      7650.3 7710.3
- `3P%`:`3P%D`          1   7652.5 7710.5
- `AVG PD`              1   7652.7 7710.7
- `2P%`:`3P%`           1   7653.3 7711.3
+ `2P%`:`2P%D`          1   7650.0 7712.0
+ `Away W-L%`           1   7650.0 7712.0
+ DRB                   1   7650.1 7712.1
+ `ADJ T.`              1   7650.2 7712.2
- TOR:TORD              1   7654.5 7712.5
- ADJOE:ADJDE           1   7657.5 7715.5
- `EFG%`:`EFGD%`        1   7658.2 7716.2
- `AVG PPG`:`AVG DPPG`  1   7658.6 7716.6
- `Overall SOS`         1   7666.9 7724.9
- `Home W-L%`           1   7676.1 7734.1
- `Conf. W-L%`          1   7688.5 7746.5
- `PF/G`                1   7694.7 7752.7
- `AST/TOV`             1   7694.8 7752.8

Step:  AIC=7708.81
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SOS` +
    `Conf. W-L%` + `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +
    `AST/TOV` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD +
    FTR:FTRD + `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`
```

```
                        Df Deviance    AIC
- `2P%D`                 1   7651.7 7707.7
- ORB                    1   7651.9 7707.9
- FTR:FTRD               1   7652.3 7708.3
<none>                       7650.8 7708.8
- `3P%`:`3P%D`           1   7653.1 7709.1
- `AVG PD`               1   7653.4 7709.4
- `2P%`:`3P%`            1   7653.8 7709.8
+ `Overall SRS`          1   7650.3 7710.3
+ `Away W-L%`            1   7650.5 7710.5
+ `2P%`:`2P%D`           1   7650.5 7710.5
+ DRB                    1   7650.7 7710.7
+ `ADJ T.`               1   7650.8 7710.8
- TOR:TORD               1   7654.9 7710.9
- ADJOE:ADJDE            1   7657.7 7713.7
- `EFG%`:`EFGD%`         1   7658.6 7714.6
- `AVG PPG`:`AVG DPPG`   1   7658.8 7714.8
- `Home W-L%`            1   7677.0 7733.0
- `Conf. W-L%`           1   7690.6 7746.6
- `AST/TOV`              1   7694.8 7750.8
- `PF/G`                 1   7695.0 7751.0
- `Overall SOS`          1   8069.9 8125.9

Step:  AIC=7707.71
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +
    FTR + FTRD + `2P%` + `3P%` + `3P%D` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +
    `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + FTR:FTRD +
    `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                        Df Deviance    AIC
- ORB                    1   7652.8 7706.8
- FTR:FTRD               1   7653.3 7707.3
<none>                       7651.7 7707.7
- `3P%`:`3P%D`           1   7653.8 7707.8
- `AVG PD`               1   7654.4 7708.4
- `2P%`:`3P%`            1   7654.8 7708.8
+ `2P%D`                 1   7650.8 7708.8
+ `Overall SRS`          1   7651.2 7709.2
+ `Away W-L%`            1   7651.4 7709.4
+ DRB                    1   7651.6 7709.6
+ `ADJ T.`               1   7651.7 7709.7
```

```
- TOR:TORD              1   7656.0 7710.0
- ADJOE:ADJDE           1   7658.8 7712.8
- `EFG%`:`EFGD%`        1   7659.6 7713.6
- `AVG PPG`:`AVG DPPG`  1   7659.7 7713.7
- `Home W-L%`           1   7678.3 7732.3
- `Conf. W-L%`          1   7692.1 7746.1
- `AST/TOV`             1   7695.3 7749.3
- `PF/G`                1   7695.7 7749.7
- `Overall SOS`         1   8071.7 8125.7

Step:  AIC=7706.75
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + FTR +
    FTRD + `2P%` + `3P%` + `3P%D` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +
    `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + FTR:FTRD +
    `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- FTR:FTRD              1   7654.5 7706.5
<none>                      7652.8 7706.8
- `3P%`:`3P%D`          1   7654.9 7706.9
- `AVG PD`              1   7655.4 7707.4
+ ORB                   1   7651.7 7707.7
- `2P%`:`3P%`           1   7655.8 7707.8
+ `2P%D`                1   7651.9 7707.9
+ `Overall SRS`         1   7652.4 7708.4
+ `Away W-L%`           1   7652.4 7708.4
+ DRB                   1   7652.5 7708.5
+ `ADJ T.`              1   7652.7 7708.7
- TOR:TORD              1   7656.9 7708.9
- ADJOE:ADJDE           1   7659.7 7711.7
- `EFG%`:`EFGD%`        1   7660.4 7712.4
- `AVG PPG`:`AVG DPPG`  1   7660.7 7712.7
- `Home W-L%`           1   7679.9 7731.9
- `Conf. W-L%`          1   7693.4 7745.4
- `AST/TOV`             1   7696.1 7748.1
- `PF/G`                1   7696.5 7748.5
- `Overall SOS`         1   8090.1 8142.1

Step:  AIC=7706.47
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + FTR +
    FTRD + `2P%` + `3P%` + `3P%D` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +
```

```
    `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + `2P%`:`3P%` +
    `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                        Df Deviance    AIC
- FTRD                   1   7654.8 7704.8
- FTR                    1   7656.1 7706.1
<none>                       7654.5 7706.5
- `3P%`:`3P%D`           1   7656.5 7706.5
+ FTR:FTRD               1   7652.8 7706.8
- `AVG PD`               1   7657.1 7707.1
+ ORB                    1   7653.3 7707.3
+ `2P%D`                 1   7653.5 7707.5
- `2P%`:`3P%`            1   7657.6 7707.6
- TOR:TORD               1   7658.0 7708.0
+ `Overall SRS`          1   7654.1 7708.1
+ DRB                    1   7654.2 7708.2
+ `Away W-L%`            1   7654.2 7708.2
+ `ADJ T.`               1   7654.5 7708.5
- ADJOE:ADJDE            1   7661.3 7711.3
- `EFG%`:`EFGD%`         1   7661.8 7711.8
- `AVG PPG`:`AVG DPPG`   1   7662.5 7712.5
- `Home W-L%`            1   7682.0 7732.0
- `Conf. W-L%`           1   7695.1 7745.1
- `PF/G`                 1   7697.8 7747.8
- `AST/TOV`              1   7698.2 7748.2
- `Overall SOS`          1   8090.2 8140.2

Step:  AIC=7704.77
round_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + FTR +
    `2P%` + `3P%` + `3P%D` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
    ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + `2P%`:`3P%` + `3P%`:`3P%D` +
    `AVG PPG`:`AVG DPPG`

                        Df Deviance    AIC
<none>                       7654.8 7704.8
- `3P%`:`3P%D`           1   7656.8 7704.8
- FTR                    1   7656.9 7704.9
- `AVG PD`               1   7657.5 7705.5
+ ORB                    1   7653.6 7705.6
+ `2P%D`                 1   7653.9 7705.9
- `2P%`:`3P%`            1   7657.9 7705.9
- TOR:TORD               1   7658.3 7706.3
```

```
+ `Overall SRS`          1   7654.4 7706.4
+ `Away W-L%`            1   7654.5 7706.5
+ FTRD                   1   7654.5 7706.5
+ DRB                    1   7654.6 7706.6
+ `ADJ T.`               1   7654.8 7706.8
- ADJOE:ADJDE            1   7661.8 7709.8
- `EFG%`:`EFGD%`         1   7662.2 7710.2
- `AVG PPG`:`AVG DPPG`   1   7662.7 7710.7
- `Home W-L%`            1   7682.2 7730.2
- `Conf. W-L%`           1   7695.1 7743.1
- `AST/TOV`              1   7698.6 7746.6
- `PF/G`                 1   7703.4 7751.4
- `Overall SOS`          1   8090.3 8138.3
```

```
sweet_sixteen_max <- glm(sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` +
                       TOR + TORD + ORB + DRB + FTR + FTRD + `2P%` +
                       `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
                       `Overall SRS` + `Overall SOS` + `Conf. W-L%` +
                       `Home W-L%` + `Away W-L%` + `AVG PPG` +
                       `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
                       ADJOE*ADJDE + `EFG%`*`EFGD%` + TOR*TORD +
                       ORB*DRB + FTR*FTRD + `2P%`*`2P%D` +
                       `2P%`*`3P%` + `3P%`*`3P%D` + `AVG PPG`*`AVG DPPG`,
                         data = sweet_sixteen,
                         family = "binomial")

sweet_sixteen_min <- glm(sweet_sixteen ~ 1,
                     data = sweet_sixteen,
                     family = "binomial")

sweet_sixteen_model <- stepAIC(sweet_sixteen_max,
        scope = list(lower = sweet_sixteen_min,
                     upper = sweet_sixteen_max),
        data = sweet_sixteen, direction = "both")
```

```
Start:  AIC=4052.73
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `ADJ T.` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` +
    `Home W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +
    `AST/TOV` + `PF/G` + ADJOE * ADJDE + `EFG%` * `EFGD%` + TOR *
```

```
    TORD + ORB * DRB + FTR * FTRD + `2P%` * `2P%D` + `2P%` *
    `3P%` + `3P%` * `3P%D` + `AVG PPG` * `AVG DPPG`

                        Df Deviance    AIC
- `Overall SRS`          1   3982.7 4050.7
- `EFG%`:`EFGD%`         1   3982.7 4050.7
- `AVG PD`               1   3982.7 4050.7
- FTR:FTRD               1   3982.9 4050.9
- ORB:DRB                1   3982.9 4050.9
- `PF/G`                 1   3983.0 4051.0
- `Home W-L%`            1   3983.0 4051.0
- `2P%`:`3P%`            1   3983.2 4051.2
- `3P%`:`3P%D`           1   3984.0 4052.0
- `AST/TOV`              1   3984.1 4052.1
- `ADJ T.`               1   3984.4 4052.4
<none>                       3982.7 4052.7
- `2P%`:`2P%D`           1   3984.8 4052.8
- TOR:TORD               1   3988.1 4056.1
- `Away W-L%`            1   3991.0 4059.0
- `Conf. W-L%`           1   3995.8 4063.8
- `Overall SOS`          1   3996.1 4064.1
- ADJOE:ADJDE            1   4001.6 4069.6
- `AVG PPG`:`AVG DPPG`   1   4087.4 4155.4

Step:  AIC=4050.73
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `ADJ T.` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
    ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + FTR:FTRD +
    `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                        Df Deviance    AIC
- `EFG%`:`EFGD%`         1   3982.7 4048.7
- `AVG PD`               1   3982.7 4048.7
- FTR:FTRD               1   3982.9 4048.9
- ORB:DRB                1   3982.9 4048.9
- `PF/G`                 1   3983.0 4049.0
- `Home W-L%`            1   3983.0 4049.0
- `2P%`:`3P%`            1   3983.2 4049.2
- `3P%`:`3P%D`           1   3984.0 4050.0
- `AST/TOV`              1   3984.1 4050.1
- `ADJ T.`               1   3984.4 4050.4
```

```
<none>                       3982.7 4050.7
- `2P%`:`2P%D`          1    3984.8 4050.8
+ `Overall SRS`         1    3982.7 4052.7
- TOR:TORD              1    3988.1 4054.1
- `Away W-L%`           1    3991.1 4057.1
- `Conf. W-L%`          1    3995.9 4061.9
- ADJOE:ADJDE           1    4001.7 4067.7
- `AVG PPG`:`AVG DPPG`  1    4087.4 4153.4
- `Overall SOS`         1    4199.3 4265.3

Step:  AIC=4048.74
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `ADJ T.` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
    ADJOE:ADJDE + TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` +
    `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
- `AVG PD`             1    3982.7 4046.7
- FTR:FTRD             1    3982.9 4046.9
- ORB:DRB              1    3982.9 4046.9
- `EFG%`               1    3983.0 4047.0
- `PF/G`               1    3983.0 4047.0
- `Home W-L%`          1    3983.0 4047.0
- `2P%`:`3P%`          1    3983.2 4047.2
- `AST/TOV`            1    3984.1 4048.1
- `ADJ T.`             1    3984.4 4048.4
<none>                       3982.7 4048.7
- `3P%`:`3P%D`         1    3984.7 4048.7
- `EFGD%`              1    3985.5 4049.5
+ `EFG%`:`EFGD%`       1    3982.7 4050.7
+ `Overall SRS`        1    3982.7 4050.7
- TOR:TORD             1    3988.2 4052.2
- `2P%`:`2P%D`         1    3989.5 4053.5
- `Away W-L%`          1    3991.1 4055.1
- `Conf. W-L%`         1    3995.9 4059.9
- ADJOE:ADJDE          1    4003.5 4067.5
- `AVG PPG`:`AVG DPPG` 1    4087.4 4151.4
- `Overall SOS`        1    4200.5 4264.5

Step:  AIC=4046.75
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
```

```
    ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `ADJ T.` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    TOR:TORD + ORB:DRB + FTR:FTRD + `2P%`:`2P%D` + `2P%`:`3P%` +
    `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                        Df Deviance    AIC
- FTR:FTRD               1   3982.9 4044.9
- ORB:DRB                1   3982.9 4044.9
- `EFG%`                 1   3983.0 4045.0
- `PF/G`                 1   3983.0 4045.0
- `Home W-L%`            1   3983.0 4045.0
- `2P%`:`3P%`            1   3983.2 4045.2
- `AST/TOV`              1   3984.1 4046.1
- `ADJ T.`               1   3984.4 4046.4
<none>                       3982.7 4046.7
- `3P%`:`3P%D`           1   3984.8 4046.8
- `EFGD%`                1   3985.5 4047.5
+ `AVG PD`               1   3982.7 4048.7
+ `EFG%`:`EFGD%`         1   3982.7 4048.7
+ `Overall SRS`          1   3982.7 4048.7
- TOR:TORD               1   3988.2 4050.2
- `2P%`:`2P%D`           1   3989.6 4051.6
- `Away W-L%`            1   3991.5 4053.5
- `Conf. W-L%`           1   3996.0 4058.0
- ADJOE:ADJDE            1   4003.5 4065.5
- `AVG PPG`:`AVG DPPG`   1   4087.5 4149.5
- `Overall SOS`          1   4200.5 4262.5

Step:  AIC=4044.89
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `ADJ T.` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    TOR:TORD + ORB:DRB + `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` +
    `AVG PPG`:`AVG DPPG`

                        Df Deviance    AIC
- ORB:DRB                1   3983.1 4043.1
- `EFG%`                 1   3983.1 4043.1
- `PF/G`                 1   3983.2 4043.2
- `Home W-L%`            1   3983.2 4043.2
- `2P%`:`3P%`            1   3983.3 4043.3
```

```
- `AST/TOV`             1   3984.3 4044.3
- `ADJ T.`              1   3984.6 4044.6
- `3P%`:`3P%D`          1   3984.9 4044.9
<none>                      3982.9 4044.9
- FTRD                  1   3985.0 4045.0
- `EFGD%`               1   3985.7 4045.7
- FTR                   1   3986.5 4046.5
+ FTR:FTRD              1   3982.7 4046.7
+ `AVG PD`             1   3982.9 4046.9
+ `EFG%`:`EFGD%`       1   3982.9 4046.9
+ `Overall SRS`        1   3982.9 4046.9
- TOR:TORD              1   3988.7 4048.7
- `2P%`:`2P%D`          1   3989.7 4049.7
- `Away W-L%`           1   3991.7 4051.7
- `Conf. W-L%`          1   3996.1 4056.1
- ADJOE:ADJDE           1   4003.6 4063.6
- `AVG PPG`:`AVG DPPG`  1   4087.6 4147.6
- `Overall SOS`         1   4202.7 4262.7

Step:  AIC=4043.06
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
    `ADJ T.` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    TOR:TORD + `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
- ORB                  1   3983.3 4041.3
- `EFG%`               1   3983.3 4041.3
- `PF/G`               1   3983.4 4041.4
- `Home W-L%`          1   3983.4 4041.4
- `2P%`:`3P%`          1   3983.5 4041.5
- DRB                  1   3983.5 4041.5
- `AST/TOV`            1   3984.5 4042.5
- `ADJ T.`             1   3984.8 4042.8
- `3P%`:`3P%D`         1   3985.1 4043.1
<none>                     3983.1 4043.1
- FTRD                 1   3985.2 4043.2
- `EFGD%`              1   3985.9 4043.9
- FTR                  1   3986.6 4044.6
+ ORB:DRB              1   3982.9 4044.9
+ FTR:FTRD             1   3982.9 4044.9
+ `AVG PD`             1   3983.0 4045.0
```

```
+ `EFG%`:`EFGD%`        1   3983.1 4045.1
+ `Overall SRS`         1   3983.1 4045.1
- TOR:TORD              1   3988.7 4046.7
- `2P%`:`2P%D`          1   3989.8 4047.8
- `Away W-L%`           1   3991.8 4049.8
- `Conf. W-L%`          1   3996.4 4054.4
- ADJOE:ADJDE           1   4003.8 4061.8
- `AVG PPG`:`AVG DPPG`  1   4087.6 4145.6
- `Overall SOS`         1   4203.9 4261.9

Step:  AIC=4041.25
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` + ADJOE:ADJDE +
    TOR:TORD + `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
- `PF/G`               1   3983.5 4039.5
- `Home W-L%`          1   3983.6 4039.6
- DRB                  1   3983.6 4039.6
- `EFG%`               1   3983.6 4039.6
- `2P%`:`3P%`          1   3983.7 4039.7
- `AST/TOV`            1   3984.6 4040.6
- `ADJ T.`             1   3985.0 4041.0
- `3P%`:`3P%D`         1   3985.2 4041.2
<none>                     3983.3 4041.3
- FTRD                 1   3985.3 4041.3
- `EFGD%`              1   3986.0 4042.0
- FTR                  1   3986.9 4042.9
+ ORB                  1   3983.1 4043.1
+ FTR:FTRD             1   3983.1 4043.1
+ `AVG PD`             1   3983.2 4043.2
+ `EFG%`:`EFGD%`       1   3983.3 4043.3
+ `Overall SRS`        1   3983.3 4043.3
- TOR:TORD             1   3988.8 4044.8
- `2P%`:`2P%D`         1   3989.8 4045.8
- `Away W-L%`          1   3992.1 4048.1
- `Conf. W-L%`         1   3996.6 4052.6
- ADJOE:ADJDE          1   4003.8 4059.8
- `AVG PPG`:`AVG DPPG` 1   4087.7 4143.7
- `Overall SOS`        1   4204.4 4260.4
```

```
Step:  AIC=4039.53
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
    `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `Away W-L%` +
    `AVG PPG` + `AVG DPPG` + `AST/TOV` + ADJOE:ADJDE + TOR:TORD +
    `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- `Home W-L%`           1   3983.8 4037.8
- `EFG%`                1   3983.9 4037.9
- DRB                   1   3984.0 4038.0
- `2P%`:`3P%`           1   3984.0 4038.0
- `ADJ T.`              1   3985.2 4039.2
- FTRD                  1   3985.3 4039.3
- `3P%`:`3P%D`          1   3985.5 4039.5
<none>                      3983.5 4039.5
- `AST/TOV`             1   3985.6 4039.6
- `EFGD%`               1   3986.3 4040.3
- FTR                   1   3987.1 4041.1
+ `PF/G`                1   3983.3 4041.3
+ ORB                   1   3983.4 4041.4
+ FTR:FTRD              1   3983.4 4041.4
+ `AVG PD`              1   3983.5 4041.5
+ `Overall SRS`         1   3983.5 4041.5
+ `EFG%`:`EFGD%`        1   3983.5 4041.5
- TOR:TORD              1   3989.2 4043.2
- `2P%`:`2P%D`          1   3990.4 4044.4
- `Away W-L%`           1   3992.5 4046.5
- `Conf. W-L%`          1   3996.9 4050.9
- ADJOE:ADJDE           1   4004.2 4058.2
- `AVG PPG`:`AVG DPPG`  1   4087.8 4141.8
- `Overall SOS`         1   4207.6 4261.6

Step:  AIC=4037.82
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
    DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
    `Overall SOS` + `Conf. W-L%` + `Away W-L%` + `AVG PPG` +
    `AVG DPPG` + `AST/TOV` + ADJOE:ADJDE + TOR:TORD + `2P%`:`2P%D` +
    `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- `EFG%`                1   3984.2 4036.2
- `2P%`:`3P%`           1   3984.3 4036.3
```

```
- DRB                    1   3984.3 4036.3
- `ADJ T.`              1   3985.5 4037.5
- FTRD                  1   3985.7 4037.7
- `3P%`:`3P%D`          1   3985.8 4037.8
<none>                      3983.8 4037.8
- `AST/TOV`             1   3986.0 4038.0
- `EFGD%`               1   3986.6 4038.6
- FTR                   1   3987.4 4039.4
+ `Home W-L%`           1   3983.5 4039.5
+ `PF/G`                1   3983.6 4039.6
+ ORB                   1   3983.6 4039.6
+ FTR:FTRD              1   3983.7 4039.7
+ `AVG PD`              1   3983.8 4039.8
+ `Overall SRS`         1   3983.8 4039.8
+ `EFG%`:`EFGD%`        1   3983.8 4039.8
- TOR:TORD              1   3989.7 4041.7
- `2P%`:`2P%D`          1   3990.6 4042.6
- `Away W-L%`           1   4004.1 4056.1
- ADJOE:ADJDE           1   4004.7 4056.7
- `Conf. W-L%`          1   4005.2 4057.2
- `AVG PPG`:`AVG DPPG`  1   4088.7 4140.7
- `Overall SOS`         1   4211.1 4263.1

Step:  AIC=4036.17
sweet_sixteen ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + DRB +
    FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
    `Overall SOS` + `Conf. W-L%` + `Away W-L%` + `AVG PPG` +
    `AVG DPPG` + `AST/TOV` + ADJOE:ADJDE + TOR:TORD + `2P%`:`2P%D` +
    `2P%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- DRB                   1   3984.6 4034.6
- `2P%`:`3P%`           1   3984.7 4034.7
- `ADJ T.`              1   3985.9 4035.9
- FTRD                  1   3986.0 4036.0
<none>                      3984.2 4036.2
- `3P%`:`3P%D`          1   3986.2 4036.2
- `AST/TOV`             1   3986.3 4036.3
- `EFGD%`               1   3986.9 4036.9
- FTR                   1   3987.6 4037.6
+ `EFG%`                1   3983.8 4037.8
+ ORB                   1   3983.8 4037.8
+ `Home W-L%`           1   3983.9 4037.9
```

```
+ `PF/G`                1   3983.9 4037.9
+ FTR:FTRD              1   3984.1 4038.1
+ `AVG PD`              1   3984.2 4038.2
+ `Overall SRS`         1   3984.2 4038.2
- TOR:TORD              1   3990.0 4040.0
- `2P%`:`2P%D`          1   3991.3 4041.3
- `Away W-L%`           1   4004.5 4054.5
- `Conf. W-L%`          1   4005.6 4055.6
- ADJOE:ADJDE           1   4006.4 4056.4
- `AVG PPG`:`AVG DPPG`  1   4089.7 4139.7
- `Overall SOS`         1   4213.5 4263.5

Step:  AIC=4034.64
sweet_sixteen ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + FTR +
    FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` + `Overall SOS` +
    `Conf. W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AST/TOV` +
    ADJOE:ADJDE + TOR:TORD + `2P%`:`2P%D` + `2P%`:`3P%` + `3P%`:`3P%D` +
    `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
- `2P%`:`3P%`          1   3985.2 4033.2
- FTRD                 1   3986.1 4034.1
- `ADJ T.`             1   3986.5 4034.5
- `AST/TOV`            1   3986.6 4034.6
<none>                     3984.6 4034.6
- `3P%`:`3P%D`         1   3986.7 4034.7
- `EFGD%`              1   3987.1 4035.1
- FTR                  1   3988.0 4036.0
+ DRB                  1   3984.2 4036.2
+ `EFG%`               1   3984.3 4036.3
+ `PF/G`               1   3984.3 4036.3
+ `Home W-L%`          1   3984.3 4036.3
+ ORB                  1   3984.5 4036.5
+ FTR:FTRD             1   3984.5 4036.5
+ `Overall SRS`        1   3984.6 4036.6
+ `AVG PD`             1   3984.6 4036.6
- TOR:TORD             1   3990.3 4038.3
- `2P%`:`2P%D`         1   3991.5 4039.5
- `Away W-L%`          1   4004.9 4052.9
- `Conf. W-L%`         1   4005.9 4053.9
- ADJOE:ADJDE          1   4006.5 4054.5
- `AVG PPG`:`AVG DPPG` 1   4091.0 4139.0
- `Overall SOS`        1   4245.2 4293.2
```

```
Step:  AIC=4033.15
sweet_sixteen ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + FTR +
    FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` + `Overall SOS` +
    `Conf. W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AST/TOV` +
    ADJOE:ADJDE + TOR:TORD + `2P%`:`2P%D` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- FTRD                  1   3986.6 4032.6
- `ADJ T.`              1   3987.0 4033.0
- `AST/TOV`             1   3987.1 4033.1
<none>                      3985.2 4033.2
- `3P%`:`3P%D`          1   3987.3 4033.3
- `EFGD%`               1   3987.5 4033.5
- FTR                   1   3988.4 4034.4
+ `2P%`:`3P%`           1   3984.6 4034.6
+ `EFG%`                1   3984.7 4034.7
+ DRB                   1   3984.7 4034.7
+ `PF/G`                1   3984.8 4034.8
+ `Home W-L%`           1   3984.9 4034.9
+ ORB                   1   3985.0 4035.0
+ FTR:FTRD              1   3985.0 4035.0
+ `Overall SRS`         1   3985.1 4035.1
+ `AVG PD`              1   3985.1 4035.1
- TOR:TORD              1   3990.5 4036.5
- `2P%`:`2P%D`          1   3992.6 4038.6
- `Away W-L%`           1   4005.2 4051.2
- `Conf. W-L%`          1   4006.5 4052.5
- ADJOE:ADJDE           1   4007.0 4053.0
- `AVG PPG`:`AVG DPPG`  1   4091.1 4137.1
- `Overall SOS`         1   4246.1 4292.1

Step:  AIC=4032.6
sweet_sixteen ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + FTR +
    `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` + `Overall SOS` +
    `Conf. W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AST/TOV` +
    ADJOE:ADJDE + TOR:TORD + `2P%`:`2P%D` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                       Df Deviance    AIC
- `AST/TOV`             1   3988.4 4032.4
<none>                      3986.6 4032.6
- `3P%`:`3P%D`          1   3988.6 4032.6
- `ADJ T.`              1   3988.7 4032.7
```

```
- `EFGD%`               1   3988.9 4032.9
- FTR                   1   3989.1 4033.1
+ FTRD                  1   3985.2 4033.2
+ `2P%`:`3P%`          1   3986.1 4034.1
+ `EFG%`               1   3986.2 4034.2
+ `Home W-L%`          1   3986.3 4034.3
+ ORB                   1   3986.4 4034.4
+ DRB                   1   3986.5 4034.5
+ `PF/G`               1   3986.6 4034.6
+ `AVG PD`             1   3986.6 4034.6
+ `Overall SRS`        1   3986.6 4034.6
- TOR:TORD              1   3991.7 4035.7
- `2P%`:`2P%D`         1   3993.6 4037.6
- `Away W-L%`          1   4006.6 4050.6
- ADJOE:ADJDE          1   4007.6 4051.6
- `Conf. W-L%`         1   4008.1 4052.1
- `AVG PPG`:`AVG DPPG` 1   4093.7 4137.7
- `Overall SOS`        1   4247.7 4291.7

Step:  AIC=4032.41
sweet_sixteen ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + FTR +
    `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` + `Overall SOS` +
    `Conf. W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + ADJOE:ADJDE +
    TOR:TORD + `2P%`:`2P%D` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
- `ADJ T.`             1   3989.9 4031.9
<none>                     3988.4 4032.4
- `3P%`:`3P%D`         1   3990.5 4032.5
+ `AST/TOV`           1   3986.6 4032.6
- `EFGD%`              1   3990.6 4032.6
+ FTRD                 1   3987.1 4033.1
- FTR                  1   3991.2 4033.2
+ `Home W-L%`          1   3988.0 4034.0
+ `2P%`:`3P%`          1   3988.0 4034.0
+ `PF/G`               1   3988.0 4034.0
+ `EFG%`               1   3988.1 4034.1
+ ORB                   1   3988.3 4034.3
+ DRB                   1   3988.4 4034.4
+ `Overall SRS`        1   3988.4 4034.4
+ `AVG PD`             1   3988.4 4034.4
- TOR:TORD              1   3993.6 4035.6
- `2P%`:`2P%D`         1   3995.4 4037.4
```

```
- `Away W-L%`           1   4008.2 4050.2
- ADJOE:ADJDE           1   4009.7 4051.7
- `Conf. W-L%`          1   4009.8 4051.8
- `AVG PPG`:`AVG DPPG`  1   4094.1 4136.1
- `Overall SOS`         1   4255.9 4297.9

Step:  AIC=4031.86
sweet_sixteen ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + FTR +
    `2P%` + `2P%D` + `3P%` + `3P%D` + `Overall SOS` + `Conf. W-L%` +
    `Away W-L%` + `AVG PPG` + `AVG DPPG` + ADJOE:ADJDE + TOR:TORD +
    `2P%`:`2P%D` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`

                      Df Deviance    AIC
<none>                     3989.9 4031.9
- `3P%`:`3P%D`          1   3992.3 4032.3
+ FTRD                  1   3988.3 4032.3
+ `ADJ T.`             1   3988.4 4032.4
- FTR                   1   3992.4 4032.4
+ `AST/TOV`            1   3988.7 4032.7
- `EFGD%`               1   3993.0 4033.0
+ `2P%`:`3P%`           1   3989.4 4033.4
+ `EFG%`                1   3989.4 4033.4
+ `Home W-L%`           1   3989.4 4033.4
+ `PF/G`                1   3989.7 4033.7
+ ORB                   1   3989.7 4033.7
+ DRB                   1   3989.8 4033.8
+ `AVG PD`              1   3989.9 4033.9
+ `Overall SRS`         1   3989.9 4033.9
- TOR:TORD              1   3994.8 4034.8
- `2P%`:`2P%D`          1   3996.3 4036.3
- `Away W-L%`           1   4010.0 4050.0
- `Conf. W-L%`          1   4011.1 4051.1
- ADJOE:ADJDE           1   4011.5 4051.5
- `AVG PPG`:`AVG DPPG`  1   4096.0 4136.0
- `Overall SOS`         1   4255.9 4295.9
```

```
`2023sr` <- read_csv("data/2023sportsreference.csv")
```

```
Rows: 363 Columns: 13
-- Column specification --------------------------------------------------------
Delimiter: ","
```

```
chr  (1): School
dbl (12): G, Overall W-L%, Overall SRS, Overall SOS, Conf. W-L%, Home W-L%, ...

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
`2023analytics` <- read_csv("data/2023torvik.csv")
```

```
Rows: 363 Columns: 22
-- Column specification --------------------------------------------------------
Delimiter: ","
chr  (1): TEAM
dbl (21): RK, G, WINS, LOSSES, ADJOE, ADJDE, EFG%, EFGD%, TOR, TORD, ORB, DR...

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
`2023stats` <- left_join(`2023analytics`, `2023sr`, by = c("TEAM" = "School"))

`2023teams` <- read_csv("data/2023teams.csv")
```

```
Rows: 64 Columns: 1
-- Column specification --------------------------------------------------------
Delimiter: ","
chr (1): TEAM

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
`2023stats` <- `2023stats` |>
  filter(`2023stats`$TEAM %in% `2023teams`$TEAM)

tibble(predict(round_64_model, `2023stats`)) |>
  mutate(rank = seq(1:64)) |>
  left_join(mutate(`2023stats`, rank = seq(1:64))) |>
  arrange(desc(predict(round_64_model, `2023stats`)))
```

```
Joining, by = "rank"
```

```
# A tibble: 64 x 36
   predi~1  rank    RK TEAM    G.x  WINS LOSSES ADJOE ADJDE `EFG%` `EFGD%`   TOR
     <dbl> <int> <dbl> <chr> <dbl> <dbl>  <dbl> <dbl> <dbl>  <dbl>   <dbl> <dbl>
 1    3.90     3     3 UCLA     34    29      5  113.  87.4   50.9    46.8  15.3
 2    3.20    13    13 Kans~    34    27      7  113.  91.5   52.4    47.1  17.5
 3    2.76     1     1 Hous~    34    31      3  117.  88     52.7    42.5  15.3
 4    2.68     2     2 Alab~    34    29      5  115.  88.3   52.7    41.5  19
 5    2.50     9     9 Texas    34    26      8  115.  91.6   52.7    47.8  16.5
 6    2.21     6     6 Purd~    34    29      5  118.  92.6   52.2    47.2  17
 7    2.11    12    12 San ~    32    26      6  111.  90.1   50.1    47.5  17.6
 8    1.94    10    10 Gonz~    32    27      5  123.  98.6   58.5    51.7  14.6
 9    1.93     8     8 Sain~    32    25      7  112.  89.1   52.5    46.7  16.4
10    1.86    11    11 Marq~    34    28      6  119.  96.1   56      51.1  15.2
# ... with 54 more rows, 24 more variables: TORD <dbl>, ORB <dbl>, DRB <dbl>,
#   FTR <dbl>, FTRD <dbl>, `2P%` <dbl>, `2P%D` <dbl>, `3P%` <dbl>,
#   `3P%D` <dbl>, `3PR` <dbl>, `3PRD` <dbl>, `ADJ T.` <dbl>, G.y <dbl>,
#   `Overall W-L%` <dbl>, `Overall SRS` <dbl>, `Overall SOS` <dbl>,
#   `Conf. W-L%` <dbl>, `Home W-L%` <dbl>, `Away W-L%` <dbl>, `AVG PPG` <dbl>,
#   `AVG DPPG` <dbl>, `AVG PD` <dbl>, `AST/TOV` <dbl>, `PF/G` <dbl>, and
#   abbreviated variable name 1: `predict(round_64_model, \`2023stats\`)`
```

```r
tibble(predict(round_32_model, `2023stats`)) |>
  mutate(rank = seq(1:64)) |>
  left_join(mutate(`2023stats`, rank = seq(1:64))) |>
  arrange(desc(predict(round_32_model, `2023stats`)))
```

```
Joining, by = "rank"
```

```
# A tibble: 64 x 36
   predi~1  rank    RK TEAM    G.x  WINS LOSSES ADJOE ADJDE `EFG%` `EFGD%`   TOR
     <dbl> <int> <dbl> <chr> <dbl> <dbl>  <dbl> <dbl> <dbl>  <dbl>   <dbl> <dbl>
 1   1.77      1     1 Hous~    34    31      3  117.  88     52.7    42.5  15.3
 2   1.71      3     3 UCLA     34    29      5  113.  87.4   50.9    46.8  15.3
 3   1.68      2     2 Alab~    34    29      5  115.  88.3   52.7    41.5  19
 4   1.22     10    10 Gonz~    32    27      5  123.  98.6   58.5    51.7  14.6
 5   1.08      6     6 Purd~    34    29      5  118.  92.6   52.2    47.2  17
 6   0.945    13    13 Kans~    34    27      7  113.  91.5   52.4    47.1  17.5
 7   0.913     9     9 Texas    34    26      8  115.  91.6   52.7    47.8  16.5
 8   0.821     4     4 Tenn~    33    23     10  111.  86.2   50.3    42.4  18.1
 9   0.774     5     5 Conn~    33    25      8  119.  92.5   53.5    45.5  18.9
10   0.754     8     8 Sain~    32    25      7  112.  89.1   52.5    46.7  16.4
```

```
# ... with 54 more rows, 24 more variables: TORD <dbl>, ORB <dbl>, DRB <dbl>,
#   FTR <dbl>, FTRD <dbl>, `2P%` <dbl>, `2P%D` <dbl>, `3P%` <dbl>,
#   `3P%D` <dbl>, `3PR` <dbl>, `3PRD` <dbl>, `ADJ T.` <dbl>, G.y <dbl>,
#   `Overall W-L%` <dbl>, `Overall SRS` <dbl>, `Overall SOS` <dbl>,
#   `Conf. W-L%` <dbl>, `Home W-L%` <dbl>, `Away W-L%` <dbl>, `AVG PPG` <dbl>,
#   `AVG DPPG` <dbl>, `AVG PD` <dbl>, `AST/TOV` <dbl>, `PF/G` <dbl>, and
#   abbreviated variable name 1: `predict(round_32_model, \`2023stats\`)`
```

```
tibble(predict(sweet_sixteen_model, `2023stats`)) |>
  mutate(rank = seq(1:64)) |>
  left_join(mutate(`2023stats`, rank = seq(1:64))) |>
  arrange(desc(predict(sweet_sixteen_model, `2023stats`)))
```

```
Joining, by = "rank"
```

```
# A tibble: 64 x 36
   predict(swe~1  rank    RK TEAM    G.x  WINS LOSSES ADJOE ADJDE `EFG%` `EFGD%`
           <dbl> <int> <dbl> <chr> <dbl> <dbl>  <dbl> <dbl> <dbl>  <dbl>   <dbl>
 1       1.49       13    13 Kans~    34    27      7  113.  91.5   52.4    47.1
 2       1.39        3     3 UCLA     34    29      5  113.  87.4   50.9    46.8
 3       1.39        1     1 Hous~    34    31      3  117.  88     52.7    42.5
 4       1.19        2     2 Alab~    34    29      5  115.  88.3   52.7    41.5
 5       0.530       6     6 Purd~    34    29      5  118.  92.6   52.2    47.2
 6       0.425       9     9 Texas    34    26      8  115.  91.6   52.7    47.8
 7       0.240      22    22 Texa~    34    25      9  113.  94.8   49      47.9
 8       0.129      12    12 San ~    32    26      6  111.  90.1   50.1    47.5
 9       0.00623    11    11 Marq~    34    28      6  119.  96.1   56      51.1
10      -0.00623     5     5 Conn~    33    25      8  119.  92.5   53.5    45.5
# ... with 54 more rows, 25 more variables: TOR <dbl>, TORD <dbl>, ORB <dbl>,
#   DRB <dbl>, FTR <dbl>, FTRD <dbl>, `2P%` <dbl>, `2P%D` <dbl>, `3P%` <dbl>,
#   `3P%D` <dbl>, `3PR` <dbl>, `3PRD` <dbl>, `ADJ T.` <dbl>, G.y <dbl>,
#   `Overall W-L%` <dbl>, `Overall SRS` <dbl>, `Overall SOS` <dbl>,
#   `Conf. W-L%` <dbl>, `Home W-L%` <dbl>, `Away W-L%` <dbl>, `AVG PPG` <dbl>,
#   `AVG DPPG` <dbl>, `AVG PD` <dbl>, `AST/TOV` <dbl>, `PF/G` <dbl>, and
#   abbreviated variable name ...
```