

# 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/cbb.csv")
sportsreference <- read_csv("data/sportsreference.csv")

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

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

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
  ))

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

```

#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),]

round_64_max <- glm(round_64 ~ 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_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=889.06

```

round_64 ~ 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
- `2P%`:`2P%D`	1	819.06	887.06
- `3P%`:`3P%D`	1	819.10	887.10
- TOR:TORD	1	819.19	887.19
- `Away W-L%`	1	819.23	887.23
- `EFG%`:`EFGD%`	1	819.30	887.30
- `AST/TOV`	1	819.31	887.31
- `ADJ T.`	1	819.48	887.48
- `AVG PD`	1	819.53	887.53
- FTR:FTRD	1	819.78	887.78
- ORB:DRB	1	820.05	888.05
- `AVG PPG`:`AVG DPPG`	1	820.16	888.16
- `2P%`:`3P%`	1	820.31	888.31
- `Conf. W-L%`	1	820.93	888.93
<none>		819.06	889.06
- `PF/G`	1	821.41	889.41
- `Home W-L%`	1	822.43	890.43
- ADJOE:ADJDE	1	822.90	890.90
- `Overall SRS`	1	823.92	891.92
- `Overall SOS`	1	824.51	892.51

Step: AIC=887.06

```
round_64 ~ 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%`:`3P%` + `3P%`:`3P%D` + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- `3P%`:`3P%D`	1	819.12	885.12
- TOR:TORD	1	819.19	885.19
- `Away W-L%`	1	819.23	885.23
- `AST/TOV`	1	819.31	885.31
- `ADJ T.`	1	819.48	885.48
- `AVG PD`	1	819.53	885.53
- `EFG%`:`EFGD%`	1	819.70	885.70
- FTR:FTRD	1	819.78	885.78
- ORB:DRB	1	820.05	886.05
- `AVG PPG`:`AVG DPPG`	1	820.16	886.16
- `2P%`:`3P%`	1	820.32	886.32
- `2P%D`	1	820.72	886.72
- `Conf. W-L%`	1	820.94	886.94
<none>		819.06	887.06
- `PF/G`	1	821.41	887.41
- `Home W-L%`	1	822.43	888.43
- ADJOE:ADJDE	1	822.91	888.91
+ `2P%`:`2P%D`	1	819.06	889.06
- `Overall SRS`	1	823.92	889.92
- `Overall SOS`	1	824.52	890.52

Step: AIC=885.12

```
round_64 ~ 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%`:`3P%` + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- TOR:TORD	1	819.25	883.25
- `Away W-L%`	1	819.30	883.30
- `AST/TOV`	1	819.37	883.37

- `ADJ T.`	1	819.54	883.54
- `AVG PD`	1	819.62	883.62
- `EFG%`:`EFGD%`	1	819.71	883.71
- FTR:FTRD	1	819.86	883.86
- `3P%D`	1	819.88	883.88
- ORB:DRB	1	820.13	884.13
- `AVG PPG`:`AVG DPPG`	1	820.21	884.21
- `2P%`:`3P%`	1	820.38	884.38
- `2P%D`	1	820.88	884.88
- `Conf. W-L%`	1	820.98	884.98
<none>		819.12	885.12
- `PF/G`	1	821.47	885.47
- `Home W-L%`	1	822.51	886.51
- ADJOE:ADJDE	1	822.91	886.91
+ `3P%`:`3P%D`	1	819.06	887.06
+ `2P%`:`2P%D`	1	819.10	887.10
- `Overall SRS`	1	824.06	888.06
- `Overall SOS`	1	824.63	888.63

Step: AIC=883.25

round\_64 ~ 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%` + ORB:DRB + FTR:FTRD +  
 `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `Away W-L%`	1	819.42	881.42
- `AST/TOV`	1	819.52	881.52
- `ADJ T.`	1	819.64	881.64
- `AVG PD`	1	819.74	881.74
- TORD	1	819.80	881.80
- `EFG%`:`EFGD%`	1	819.82	881.82
- `3P%D`	1	820.05	882.05
- FTR:FTRD	1	820.12	882.12
- `AVG PPG`:`AVG DPPG`	1	820.37	882.37
- `2P%`:`3P%`	1	820.47	882.47
- ORB:DRB	1	820.51	882.51
- `2P%D`	1	821.07	883.07
- `Conf. W-L%`	1	821.12	883.12
<none>		819.25	883.25
- `PF/G`	1	821.61	883.61

- `Home W-L%`	1	822.58	884.58
- TOR	1	823.09	885.09
+ TOR:TORD	1	819.12	885.12
+ `3P%`:`3P%D`	1	819.19	885.19
+ `2P%`:`2P%D`	1	819.23	885.23
- ADJOE:ADJDE	1	823.55	885.55
- `Overall SRS`	1	824.14	886.14
- `Overall SOS`	1	824.71	886.71

Step: AIC=881.42

```
round_64 ~ 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%` +
  `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +
  ADJOE:ADJDE + `EFG%`:`EFGD%` + ORB:DRB + FTR:FTRD + `2P%`:`3P%` +
  `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- `AST/TOV`	1	819.69	879.69
- `ADJ T.`	1	819.80	879.80
- `AVG PD`	1	819.90	879.90
- `EFG%`:`EFGD%`	1	819.99	879.99
- TORD	1	819.99	879.99
- `3P%D`	1	820.20	880.20
- FTR:FTRD	1	820.32	880.32
- `AVG PPG`:`AVG DPPG`	1	820.54	880.54
- ORB:DRB	1	820.64	880.64
- `2P%`:`3P%`	1	820.66	880.66
- `2P%D`	1	821.23	881.23
<none>		819.42	881.42
- `PF/G`	1	821.79	881.79
+ `Away W-L%`	1	819.25	883.25
+ TOR:TORD	1	819.30	883.30
- TOR	1	823.31	883.31
+ `3P%`:`3P%D`	1	819.35	883.35
- `Home W-L%`	1	823.37	883.37
+ `2P%`:`2P%D`	1	819.40	883.40
- ADJOE:ADJDE	1	823.62	883.62
- `Overall SRS`	1	824.29	884.29
- `Overall SOS`	1	824.91	884.91
- `Conf. W-L%`	1	825.24	885.24

Step: AIC=879.69

```
round_64 ~ 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%` +
  `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` + ADJOE:ADJDE +
  `EFG%`:`EFGD%` + ORB:DRB + FTR:FTRD + `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- `ADJ T.`	1	820.05	878.05
- `AVG PD`	1	820.18	878.18
- `EFG%`:`EFGD%`	1	820.22	878.22
- TORD	1	820.31	878.31
- `3P%D`	1	820.51	878.51
- FTR:FTRD	1	820.62	878.62
- `AVG PPG`:`AVG DPPG`	1	820.83	878.83
- `2P%`:`3P%`	1	820.89	878.89
- ORB:DRB	1	820.92	878.92
- `2P%D`	1	821.58	879.58
<none>		819.69	879.69
- `PF/G`	1	821.96	879.96
- TOR	1	823.39	881.39
+ `AST/TOV`	1	819.42	881.42
+ `Away W-L%`	1	819.52	881.52
+ TOR:TORD	1	819.56	881.56
+ `3P%`:`3P%D`	1	819.62	881.62
- `Home W-L%`	1	823.63	881.63
+ `2P%`:`2P%D`	1	819.67	881.67
- ADJOE:ADJDE	1	824.07	882.07
- `Overall SRS`	1	824.70	882.70
- `Overall SOS`	1	825.33	883.33
- `Conf. W-L%`	1	825.58	883.58

Step: AIC=878.05

```
round_64 ~ 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` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` +
  ORB:DRB + FTR:FTRD + `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- `AVG PD`	1	820.51	876.51
- `EFG%`:`EFGD%`	1	820.65	876.65
- `3P%D`	1	820.86	876.86
- FTR:FTRD	1	821.00	877.00

- TOR	1	821.07	877.07
- `AVG PPG`: `AVG DPPG`	1	821.25	877.25
- `2P%`: `3P%`	1	821.32	877.32
- ORB:DRB	1	821.43	877.43
- `2P%D`	1	821.91	877.91
<none>		820.05	878.05
- `PF/G`	1	822.08	878.08
- TOR	1	823.40	879.40
+ `ADJ T.`	1	819.69	879.69
+ `AST/TOV`	1	819.80	879.80
+ `Away W-L%`	1	819.88	879.88
+ TOR:TORD	1	819.96	879.96
- `Home W-L%`	1	823.96	879.96
+ `3P%`: `3P%D`	1	819.99	879.99
+ `2P%`: `2P%D`	1	820.04	880.04
- ADJOE:ADJDE	1	824.35	880.35
- `Overall SRS`	1	824.83	880.83
- `Overall SOS`	1	825.45	881.45
- `Conf. W-L%`	1	826.10	882.10

Step: AIC=876.51

round\_64 ~ 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` + `PF/G` + ADJOE:ADJDE + `EFG%`: `EFGD%` + ORB:DRB +  
 FTR:FTRD + `2P%`: `3P%` + `AVG PPG`: `AVG DPPG`

	Df	Deviance	AIC
- `EFG%`: `EFGD%`	1	821.06	875.06
- `3P%D`	1	821.24	875.24
- FTR:FTRD	1	821.39	875.39
- TOR	1	821.51	875.51
- `2P%`: `3P%`	1	821.66	875.66
- `AVG PPG`: `AVG DPPG`	1	821.72	875.72
- ORB:DRB	1	822.03	876.03
- `2P%D`	1	822.24	876.24
<none>		820.51	876.51
- `PF/G`	1	822.58	876.58
- TOR	1	823.82	877.82
+ `AVG PD`	1	820.05	878.05
+ `ADJ T.`	1	820.18	878.18
+ `AST/TOV`	1	820.24	878.24
- `Home W-L%`	1	824.25	878.25



+ `Away W-L%`	1	820.35	878.35
+ TOR:TORD	1	820.41	878.41
+ `3P%`:`3P%D`	1	820.42	878.42
+ `2P%`:`2P%D`	1	820.48	878.48
- ADJOE:ADJDE	1	824.67	878.67
- `Overall SRS`	1	825.34	879.34
- `Overall SOS`	1	825.93	879.93
- `Conf. W-L%`	1	826.53	880.53

Step: AIC=875.06

round\_64 ~ 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` + `PF/G` + ADJOE:ADJDE + ORB:DRB + FTR:FTRD +  
 `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `EFG%`	1	821.35	873.35
- `3P%D`	1	821.75	873.75
- FTR:FTRD	1	821.99	873.99
- `2P%`:`3P%`	1	822.04	874.04
- TORD	1	822.08	874.08
- `EFGD%`	1	822.57	874.57
- ORB:DRB	1	822.71	874.71
- `2P%D`	1	822.74	874.74
- `AVG PPG`:`AVG DPPG`	1	822.77	874.77
- `PF/G`	1	823.03	875.03
<none>		821.06	875.06
- TOR	1	824.30	876.30
+ `EFG%`:`EFGD%`	1	820.51	876.51
+ `2P%`:`2P%D`	1	820.65	876.65
+ `AVG PD`	1	820.65	876.65
- `Home W-L%`	1	824.66	876.66
+ `ADJ T.`	1	820.68	876.68
+ `AST/TOV`	1	820.83	876.83
+ `Away W-L%`	1	820.91	876.91
+ TOR:TORD	1	820.99	876.99
+ `3P%`:`3P%D`	1	821.06	877.06
- `Overall SRS`	1	825.77	877.77
- `Overall SOS`	1	826.45	878.45
- ADJOE:ADJDE	1	826.87	878.87
- `Conf. W-L%`	1	827.35	879.35

Step: AIC=873.35

round\_64 ~ ADJOE + ADJDE + `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` + `PF/G` + ADJOE:ADJDE + ORB:DRB + FTR:FTRD +  
 `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `3P%D`	1	822.00	872.00
- TORD	1	822.20	872.20
- FTR:FTRD	1	822.32	872.32
- `2P%`:`3P%`	1	822.43	872.43
- `EFGD%`	1	822.74	872.74
- `2P%D`	1	822.98	872.98
- ORB:DRB	1	823.01	873.01
- `AVG PPG`:`AVG DPPG`	1	823.07	873.07
- `PF/G`	1	823.27	873.27
<none>		821.35	873.35
- TOR	1	824.32	874.32
- `Home W-L%`	1	824.86	874.86
+ `2P%`:`2P%D`	1	820.86	874.86
+ `AVG PD`	1	820.94	874.94
+ `ADJ T.`	1	821.02	875.02
+ `EFG%`	1	821.06	875.06
+ `AST/TOV`	1	821.11	875.11
+ `Away W-L%`	1	821.21	875.21
+ TOR:TORD	1	821.28	875.28
+ `3P%`:`3P%D`	1	821.35	875.35
- `Overall SRS`	1	825.84	875.84
- `Overall SOS`	1	826.49	876.49
- ADJOE:ADJDE	1	827.13	877.13
- `Conf. W-L%`	1	827.81	877.81

Step: AIC=872

round\_64 ~ ADJOE + ADJDE + `EFGD%` + TOR + TORD + ORB + DRB +  
 FTR + FTRD + `2P%` + `2P%D` + `3P%` + `Overall SRS` + `Overall SOS` +  
 `Conf. W-L%` + `Home W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` +  
 ADJOE:ADJDE + ORB:DRB + FTR:FTRD + `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- TORD	1	822.68	870.68
- FTR:FTRD	1	823.01	871.01
- `2P%`:`3P%`	1	823.04	871.04

- `EFGD%`	1	823.55	871.55
- ORB:DRB	1	823.61	871.61
- `AVG PPG`: `AVG DPPG`	1	823.79	871.79
<none>		822.00	872.00
- `PF/G`	1	824.02	872.02
- TOR	1	824.98	872.98
+ `3P%D`	1	821.35	873.35
+ `2P%`: `2P%D`	1	821.56	873.56
- `Home W-L%`	1	825.63	873.63
+ `AVG PD`	1	821.65	873.65
+ `ADJ T.`	1	821.68	873.68
+ `AST/TOV`	1	821.73	873.73
+ `EFG%`	1	821.75	873.75
+ `Away W-L%`	1	821.88	873.88
+ TOR:TORD	1	821.90	873.90
- `2P%D`	1	826.40	874.40
- `Overall SRS`	1	826.57	874.57
- `Overall SOS`	1	827.19	875.19
- ADJOE:ADJDE	1	827.77	875.77
- `Conf. W-L%`	1	828.49	876.49

Step: AIC=870.68

round\_64 ~ ADJOE + ADJDE + `EFGD%` + TOR + ORB + DRB + FTR +  
 FTRD + `2P%` + `2P%D` + `3P%` + `Overall SRS` + `Overall SOS` +  
 `Conf. W-L%` + `Home W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` +  
 ADJOE:ADJDE + ORB:DRB + FTR:FTRD + `2P%`: `3P%` + `AVG PPG`: `AVG DPPG`

	Df	Deviance	AIC
- `EFGD%`	1	823.60	869.60
- `2P%`: `3P%`	1	823.67	869.67
- FTR:FTRD	1	823.89	869.89
- ORB:DRB	1	824.40	870.40
- `AVG PPG`: `AVG DPPG`	1	824.45	870.45
<none>		822.68	870.68
- `PF/G`	1	824.71	870.71
- TOR	1	824.98	870.98
+ TORD	1	822.00	872.00
+ `ADJ T.`	1	822.05	872.05
+ `3P%D`	1	822.20	872.20
+ `2P%`: `2P%D`	1	822.21	872.21
+ `AVG PD`	1	822.34	872.34
+ `AST/TOV`	1	822.37	872.37
- `Home W-L%`	1	826.43	872.43

+ `Away W-L%`	1	822.52	872.52
+ `EFG%`	1	822.57	872.57
- `Overall SRS`	1	826.60	872.60
- `2P%D`	1	827.07	873.07
- `Overall SOS`	1	827.26	873.26
- ADJOE:ADJDE	1	828.55	874.55
- `Conf. W-L%`	1	829.06	875.06

Step: AIC=869.6

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + FTR + FTRD + `2P%` +  
`2P%D` + `3P%` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` +  
`Home W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE +  
ORB:DRB + FTR:FTRD + `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `2P%`:`3P%`	1	824.48	868.48
- FTR:FTRD	1	824.84	868.84
- ORB:DRB	1	825.35	869.35
- `AVG PPG`:`AVG DPPG`	1	825.36	869.36
- `PF/G`	1	825.43	869.43
<none>		823.60	869.60
- TOR	1	825.76	869.76
+ `EFGD%`	1	822.68	870.68
+ `3P%D`	1	823.00	871.00
+ `ADJ T.`	1	823.07	871.07
- `Overall SRS`	1	827.12	871.12
+ `2P%`:`2P%D`	1	823.17	871.17
+ `AST/TOV`	1	823.27	871.27
+ `AVG PD`	1	823.28	871.28
- `Home W-L%`	1	827.30	871.30
+ `Away W-L%`	1	823.37	871.37
+ `EFG%`	1	823.51	871.51
+ TORD	1	823.55	871.55
- `Overall SOS`	1	827.83	871.83
- `2P%D`	1	827.99	871.99
- ADJOE:ADJDE	1	829.32	873.32
- `Conf. W-L%`	1	830.08	874.08

Step: AIC=868.48

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + FTR + FTRD + `2P%` +  
`2P%D` + `3P%` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` +  
`Home W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE +  
ORB:DRB + FTR:FTRD + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `3P%`	1	824.53	866.53
- `2P%`	1	824.63	866.63
- FTR:FTRD	1	825.57	867.57
- ORB:DRB	1	826.05	868.05
- `AVG PPG`:`AVG DPPG`	1	826.07	868.07
- `PF/G`	1	826.38	868.38
<none>		824.48	868.48
- TOR	1	826.50	868.50
+ `2P%`:`3P%`	1	823.60	869.60
+ `EFGD%`	1	823.67	869.67
- `Overall SRS`	1	827.76	869.76
+ `ADJ T.`	1	823.91	869.91
- `Home W-L%`	1	827.95	869.95
+ `3P%D`	1	823.96	869.96
+ `2P%`:`2P%D`	1	824.11	870.11
+ `AST/TOV`	1	824.19	870.19
+ `Away W-L%`	1	824.23	870.23
+ `AVG PD`	1	824.24	870.24
+ `EFG%`	1	824.33	870.33
+ TORD	1	824.44	870.44
- `Overall SOS`	1	828.52	870.52
- `2P%D`	1	828.78	870.78
- ADJOE:ADJDE	1	829.64	871.64
- `Conf. W-L%`	1	830.94	872.94

Step: AIC=866.53

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + FTR + FTRD + `2P%` +  
`2P%D` + `Overall SRS` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +  
`AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + ORB:DRB +  
FTR:FTRD + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `2P%`	1	824.63	864.63
- FTR:FTRD	1	825.61	865.61
- ORB:DRB	1	826.12	866.12
- `AVG PPG`:`AVG DPPG`	1	826.13	866.13
- `PF/G`	1	826.42	866.42
<none>		824.53	866.53
- TOR	1	827.27	867.27
+ `EFGD%`	1	823.75	867.75
- `Overall SRS`	1	827.78	867.78

- `Home W-L%`	1	828.04	868.04
+ `3P%D`	1	824.04	868.04
+ `ADJ T.`	1	824.12	868.12
+ `2P%`:`2P%D`	1	824.16	868.16
+ `AVG PD`	1	824.28	868.28
+ `Away W-L%`	1	824.29	868.29
+ `AST/TOV`	1	824.29	868.29
+ `EFG%`	1	824.42	868.42
+ TORD	1	824.46	868.46
+ `3P%`	1	824.48	868.48
- `Overall SOS`	1	828.59	868.59
- `2P%D`	1	828.83	868.83
- ADJOE:ADJDE	1	829.69	869.69
- `Conf. W-L%`	1	830.99	870.99

Step: AIC=864.63

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + FTR + FTRD + `2P%D` +  
 `Overall SRS` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +  
 `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + ORB:DRB +  
 FTR:FTRD + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- FTR:FTRD	1	825.68	863.68
- ORB:DRB	1	826.17	864.17
- `AVG PPG`:`AVG DPPG`	1	826.24	864.24
- `PF/G`	1	826.61	864.61
<none>		824.63	864.63
- `Overall SRS`	1	827.78	865.78
+ `EFGD%`	1	823.86	865.86
- TOR	1	828.00	866.00
- `Home W-L%`	1	828.07	866.07
+ `3P%D`	1	824.15	866.15
+ `ADJ T.`	1	824.33	866.33
+ `Away W-L%`	1	824.40	866.40
+ `AVG PD`	1	824.40	866.40
+ `EFG%`	1	824.42	866.42
+ `AST/TOV`	1	824.43	866.43
+ `2P%`	1	824.53	866.53
+ TORD	1	824.54	866.54
- `Overall SOS`	1	828.59	866.59
+ `3P%`	1	824.63	866.63
- `2P%D`	1	829.06	867.06
- ADJOE:ADJDE	1	829.78	867.78

- `Conf. W-L%` 1 831.25 869.25

Step: AIC=863.68

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + FTR + FTRD + `2P%D` +  
 `Overall SRS` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +  
 `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + ORB:DRB +  
 `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- FTR	1	825.68	861.68
- FTRD	1	826.45	862.45
- `PF/G`	1	827.22	863.22
- `AVG PPG`:`AVG DPPG`	1	827.34	863.34
- ORB:DRB	1	827.57	863.57
<none>		825.68	863.68
+ FTR:FTRD	1	824.63	864.63
+ `EFGD%`	1	824.86	864.86
- `Overall SRS`	1	828.89	864.89
- TOR	1	828.97	864.97
+ `3P%D`	1	825.17	865.17
- `Home W-L%`	1	829.28	865.28
+ `ADJ T.`	1	825.30	865.30
+ `Away W-L%`	1	825.39	865.39
+ `AST/TOV`	1	825.44	865.44
+ `AVG PD`	1	825.49	865.49
+ `EFG%`	1	825.51	865.51
- `Overall SOS`	1	829.60	865.60
+ `2P%`	1	825.61	865.61
+ TORD	1	825.62	865.62
+ `3P%`	1	825.68	865.68
- `2P%D`	1	830.09	866.09
- ADJOE:ADJDE	1	830.57	866.57
- `Conf. W-L%`	1	832.02	868.02

Step: AIC=861.68

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + FTRD + `2P%D` +  
 `Overall SRS` + `Overall SOS` + `Conf. W-L%` + `Home W-L%` +  
 `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + ORB:DRB +  
 `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- FTRD	1	826.45	860.45
- `PF/G`	1	827.24	861.24

- `AVG PPG`:`AVG DPPG`	1	827.34	861.34
- ORB:DRB	1	827.58	861.58
<none>		825.68	861.68
+ `EFGD%`	1	824.87	862.87
- `Overall SRS`	1	828.91	862.91
- TOR	1	829.07	863.07
+ `3P%D`	1	825.17	863.17
+ `ADJ T.`	1	825.31	863.31
- `Home W-L%`	1	829.33	863.33
+ `Away W-L%`	1	825.39	863.39
+ `AST/TOV`	1	825.46	863.46
+ `AVG PD`	1	825.49	863.49
+ `EFG%`	1	825.53	863.53
+ `2P%`	1	825.61	863.61
- `Overall SOS`	1	829.61	863.61
+ TORD	1	825.62	863.62
+ FTR	1	825.68	863.68
+ `3P%`	1	825.68	863.68
- `2P%D`	1	830.21	864.21
- ADJOE:ADJDE	1	830.61	864.61
- `Conf. W-L%`	1	832.04	866.04

Step: AIC=860.45

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + `2P%D` + `Overall SRS` +  
`Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +  
`AVG DPPG` + `PF/G` + ADJOE:ADJDE + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `PF/G`	1	827.67	859.67
- `AVG PPG`:`AVG DPPG`	1	828.03	860.03
- ORB:DRB	1	828.31	860.31
<none>		826.45	860.45
+ FTRD	1	825.68	861.68
+ `EFGD%`	1	825.80	861.80
- `Home W-L%`	1	829.98	861.98
+ `3P%D`	1	826.08	862.08
- `Overall SRS`	1	830.08	862.08
+ `Away W-L%`	1	826.19	862.19
+ `AVG PD`	1	826.26	862.26
+ `AST/TOV`	1	826.26	862.26
+ `ADJ T.`	1	826.27	862.27
+ `EFG%`	1	826.31	862.31
+ `2P%`	1	826.36	862.36



- TOR	1	830.37	862.37
+ `3P%`	1	826.45	862.45
+ TORD	1	826.45	862.45
+ FTR	1	826.45	862.45
- `Overall SOS`	1	830.68	862.68
- `2P%D`	1	831.20	863.20
- ADJOE:ADJDE	1	831.33	863.33
- `Conf. W-L%`	1	832.69	864.69

Step: AIC=859.67

```
round_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + `2P%D` + `Overall SRS` +
  `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +
  `AVG DPPG` + ADJOE:ADJDE + ORB:DRB + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- `AVG PPG`:`AVG DPPG`	1	829.03	859.03
- ORB:DRB	1	829.31	859.31
<none>		827.67	859.67
+ `PF/G`	1	826.45	860.45
+ `EFGD%`	1	827.01	861.01
+ FTRD	1	827.24	861.24
+ `3P%D`	1	827.28	861.28
+ `EFG%`	1	827.30	861.30
- `Home W-L%`	1	831.33	861.33
- `Overall SRS`	1	831.34	861.34
+ `Away W-L%`	1	827.39	861.39
+ `2P%`	1	827.41	861.41
+ TORD	1	827.44	861.44
+ `AVG PD`	1	827.44	861.44
+ `ADJ T.`	1	827.49	861.49
+ FTR	1	827.59	861.59
+ `AST/TOV`	1	827.62	861.62
+ `3P%`	1	827.67	861.67
- TOR	1	831.75	861.75
- `Overall SOS`	1	832.07	862.07
- `2P%D`	1	832.62	862.62
- ADJOE:ADJDE	1	832.83	862.83
- `Conf. W-L%`	1	834.05	864.05

Step: AIC=859.03

```
round_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + `2P%D` + `Overall SRS` +
  `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +
  `AVG DPPG` + ADJOE:ADJDE + ORB:DRB
```

	Df	Deviance	AIC
- `AVG DPPG`	1	830.15	858.15
- `AVG PPG`	1	830.19	858.19
- ORB:DRB	1	830.71	858.71
<none>		829.03	859.03
+ `AVG PPG`: `AVG DPPG`	1	827.67	859.67
+ `PF/G`	1	828.03	860.03
- `Home W-L`	1	832.36	860.36
+ `EFGD`	1	828.37	860.37
- `Overall SRS`	1	832.60	860.60
+ `3PD`	1	828.65	860.65
+ `EFG`	1	828.65	860.65
+ FTRD	1	828.69	860.69
+ `Away W-L`	1	828.74	860.74
- TOR	1	832.76	860.76
+ `2PD`	1	828.77	860.77
+ `AVG PD`	1	828.79	860.79
+ `ADJ T.`	1	828.80	860.80
+ TORD	1	828.82	860.82
+ FTR	1	828.96	860.96
+ `AST/TOV`	1	828.97	860.97
+ `3P`	1	829.02	861.02
- `Overall SOS`	1	833.57	861.57
- `2PD`	1	834.09	862.09
- `Conf. W-L`	1	835.73	863.73
- ADJOE:ADJDE	1	836.98	864.98

Step: AIC=858.15

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + `2PD` + `Overall SRS` +  
`Overall SOS` + `Conf. W-L` + `Home W-L` + `AVG PPG` +  
ADJOE:ADJDE + ORB:DRB

	Df	Deviance	AIC
- `AVG PPG`	1	830.19	856.19
- ORB:DRB	1	831.67	857.67
<none>		830.15	858.15
+ `PF/G`	1	829.00	859.00
+ `AVG DPPG`	1	829.03	859.03
+ `AVG PD`	1	829.03	859.03
- `Overall SRS`	1	833.16	859.16
+ `EFGD`	1	829.48	859.48
+ `EFG`	1	829.75	859.75

+ `Away W-L%`	1	829.78	859.78
+ `3P%D`	1	829.78	859.78
- `Home W-L%`	1	833.82	859.82
+ FTRD	1	829.83	859.83
+ `2P%`	1	829.89	859.89
- TOR	1	833.97	859.97
+ TORD	1	830.01	860.01
+ FTR	1	830.03	860.03
+ `AST/TOV`	1	830.12	860.12
+ `ADJ T.`	1	830.15	860.15
+ `3P%`	1	830.15	860.15
- `2P%D`	1	835.27	861.27
- `Conf. W-L%`	1	836.52	862.52
- ADJOE:ADJDE	1	838.40	864.40
- `Overall SOS`	1	839.87	865.87

Step: AIC=856.19

round\_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + `2P%D` + `Overall SRS` +  
`Overall SOS` + `Conf. W-L%` + `Home W-L%` + ADJOE:ADJDE +  
ORB:DRB

	Df	Deviance	AIC
- ORB:DRB	1	831.70	855.70
<none>		830.19	856.19
+ `AVG PD`	1	829.03	857.03
+ `PF/G`	1	829.33	857.33
+ `EFGD%`	1	829.58	857.58
+ `EFG%`	1	829.76	857.76
- `Overall SRS`	1	833.79	857.79
+ `Away W-L%`	1	829.82	857.82
+ `3P%D`	1	829.86	857.86
- `Home W-L%`	1	833.88	857.88
+ FTRD	1	829.90	857.90
+ `2P%`	1	829.91	857.91
- TOR	1	833.97	857.97
+ TORD	1	830.03	858.03
+ FTR	1	830.07	858.07
+ `ADJ T.`	1	830.15	858.15
+ `AST/TOV`	1	830.15	858.15
+ `AVG PPG`	1	830.15	858.15
+ `3P%`	1	830.19	858.19
+ `AVG DPPG`	1	830.19	858.19
- `2P%D`	1	836.03	860.03

```

- `Conf. W-L%` 1 836.59 860.59
- ADJOE:ADJDE 1 838.53 862.53
- `Overall SOS` 1 841.21 865.21

```

Step: AIC=855.7

```

round_64 ~ ADJOE + ADJDE + TOR + ORB + DRB + `2P%D` + `Overall SRS` +
  `Overall SOS` + `Conf. W-L%` + `Home W-L%` + ADJOE:ADJDE

```

	Df	Deviance	AIC
- ORB	1	832.62	854.62
<none>		831.70	855.70
+ ORB:DRB	1	830.19	856.19
+ `AVG PD`	1	830.71	856.71
+ `PF/G`	1	830.99	856.99
+ `EFGD%`	1	831.05	857.05
- `Overall SRS`	1	835.24	857.24
- `Home W-L%`	1	835.27	857.27
+ `3P%D`	1	831.34	857.34
+ `EFG%`	1	831.36	857.36
+ `Away W-L%`	1	831.37	857.37
+ FTRD	1	831.49	857.49
+ `2P%`	1	831.52	857.52
+ TORD	1	831.59	857.59
- TOR	1	835.60	857.60
+ `AST/TOV`	1	831.63	857.63
+ FTR	1	831.64	857.64
+ `ADJ T.`	1	831.65	857.65
+ `AVG PPG`	1	831.67	857.67
+ `AVG DPPG`	1	831.70	857.70
+ `3P%`	1	831.70	857.70
- DRB	1	836.59	858.59
- `2P%D`	1	837.22	859.22
- `Conf. W-L%`	1	838.46	860.46
- ADJOE:ADJDE	1	840.06	862.06
- `Overall SOS`	1	843.17	865.17

Step: AIC=854.62

```

round_64 ~ ADJOE + ADJDE + TOR + DRB + `2P%D` + `Overall SRS` +
  `Overall SOS` + `Conf. W-L%` + `Home W-L%` + ADJOE:ADJDE

```

	Df	Deviance	AIC
<none>		832.62	854.62
+ `AVG PD`	1	831.57	855.57

- TOR	1	835.60	855.60
- `Overall SRS`	1	835.67	855.67
+ ORB	1	831.70	855.70
+ `EFGD%`	1	832.00	856.00
+ `PF/G`	1	832.17	856.17
+ `Away W-L%`	1	832.26	856.26
+ `3P%D`	1	832.30	856.30
- `Home W-L%`	1	836.31	856.31
+ `EFG%`	1	832.39	856.39
+ `3P%`	1	832.41	856.41
+ `AST/TOV`	1	832.49	856.49
+ TORD	1	832.54	856.54
+ FTRD	1	832.55	856.55
+ `2P%`	1	832.56	856.56
+ `ADJ T.`	1	832.60	856.60
+ `AVG DPPG`	1	832.60	856.60
+ `AVG PPG`	1	832.61	856.61
+ FTR	1	832.61	856.61
- `2P%D`	1	837.78	857.78
- DRB	1	838.90	858.90
- `Conf. W-L%`	1	839.24	859.24
- ADJOE:ADJDE	1	841.45	861.45
- `Overall SOS`	1	843.34	863.34

```
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=551.57

```

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
- `Away W-L%`	1	481.62	549.62
- FTR:FTRD	1	481.65	549.65
- `2P%`:`3P%`	1	481.72	549.72
- `Conf. W-L%`	1	481.85	549.85
- `3P%`:`3P%D`	1	481.95	549.95
- ADJOE:ADJDE	1	481.96	549.96
- `Overall SOS`	1	481.98	549.98
- `2P%`:`2P%D`	1	482.04	550.04
- `Home W-L%`	1	482.05	550.05
- `ADJ T.`	1	482.08	550.08
- `AVG PD`	1	482.31	550.31
- `Overall SRS`	1	482.76	550.76
- `EFG%`:`EFGD%`	1	483.29	551.29
<none>		481.57	551.57
- `AVG PPG`:`AVG DPPG`	1	484.39	552.39
- `PF/G`	1	484.58	552.58
- `AST/TOV`	1	485.42	553.42
- ORB:DRB	1	487.00	555.00
- TOR:TORD	1	488.36	556.36

Step: AIC=549.62

```

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%` +
  `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
--	----	----------	-----

- FTR:FTRD	1	481.69	547.69
- `2P%`:`3P%`	1	481.79	547.79
- ADJOE:ADJDE	1	481.99	547.99
- `3P%`:`3P%D`	1	482.04	548.04
- `Overall SOS`	1	482.06	548.06
- `2P%`:`2P%D`	1	482.07	548.07
- `ADJ T.`	1	482.11	548.11
- `AVG PD`	1	482.35	548.35
- `Home W-L%`	1	482.82	548.82
- `Overall SRS`	1	482.86	548.86
- `Conf. W-L%`	1	482.95	548.95
- `EFG%`:`EFGD%`	1	483.29	549.29
<none>		481.62	549.62
- `AVG PPG`:`AVG DPPG`	1	484.44	550.44
- `PF/G`	1	484.63	550.63
- `AST/TOV`	1	485.44	551.44
+ `Away W-L%`	1	481.57	551.57
- ORB:DRB	1	487.01	553.01
- TOR:TORD	1	488.46	554.46

Step: AIC=547.69

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

	Df	Deviance	AIC
- `2P%`:`3P%`	1	481.85	545.85
- ADJOE:ADJDE	1	482.04	546.04
- `2P%`:`2P%D`	1	482.13	546.13
- `Overall SOS`	1	482.14	546.14
- `3P%`:`3P%D`	1	482.14	546.14
- `ADJ T.`	1	482.18	546.18
- `AVG PD`	1	482.44	546.44
- `Home W-L%`	1	482.88	546.88
- `Overall SRS`	1	482.92	546.92
- `Conf. W-L%`	1	482.98	546.98
- `EFG%`:`EFGD%`	1	483.34	547.34
- FTR	1	483.60	547.60
<none>		481.69	547.69
- `AVG PPG`:`AVG DPPG`	1	484.53	548.53

- `PF/G`	1	484.63	548.63
- `AST/TOV`	1	485.54	549.54
+ FTR:FTRD	1	481.62	549.62
+ `Away W-L`	1	481.65	549.65
- FTRD	1	486.22	550.22
- ORB:DRB	1	487.38	551.38
- TOR:TORD	1	488.46	552.46

Step: AIC=545.85

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

	Df	Deviance	AIC
- ADJOE:ADJDE	1	482.12	544.12
- `3P%`:`3P%D`	1	482.28	544.28
- `Overall SOS`	1	482.29	544.29
- `2P%`:`2P%D`	1	482.36	544.36
- `ADJ T.`	1	482.36	544.36
- `AVG PD`	1	482.69	544.69
- `Overall SRS`	1	483.09	545.09
- `Home W-L`	1	483.15	545.15
- `Conf. W-L`	1	483.15	545.15
- `EFG%`:`EFGD%`	1	483.59	545.59
- FTR	1	483.80	545.80
<none>		481.85	545.85
- `AVG PPG`:`AVG DPPG`	1	484.61	546.61
- `PF/G`	1	484.78	546.78
- `AST/TOV`	1	485.66	547.66
+ `2P%`:`3P%`	1	481.69	547.69
+ FTR:FTRD	1	481.79	547.79
+ `Away W-L`	1	481.79	547.79
- FTRD	1	486.38	548.38
- ORB:DRB	1	487.43	549.43
- TOR:TORD	1	488.74	550.74

Step: AIC=544.12

```
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` +
```



`AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +  
`EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `2P%`:`2P%D` + `3P%`:`3P%D` +  
`AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `3P%`:`3P%D`	1	482.46	542.46
- `Overall SOS`	1	482.50	542.50
- `2P%`:`2P%D`	1	482.58	542.58
- `ADJ T.`	1	482.64	542.64
- `AVG PD`	1	483.02	543.02
- `Overall SRS`	1	483.22	543.22
- `Conf. W-L%`	1	483.49	543.49
- `Home W-L%`	1	483.49	543.49
- `EFG%`:`EFGD%`	1	483.65	543.65
- FTR	1	484.03	544.03
<none>		482.12	544.12
- ADJOE	1	484.41	544.41
- `AVG PPG`:`AVG DPPG`	1	485.18	545.18
- `PF/G`	1	485.18	545.18
+ ADJOE:ADJDE	1	481.85	545.85
+ `2P%`:`3P%`	1	482.04	546.04
- `AST/TOV`	1	486.07	546.07
+ FTR:FTRD	1	482.07	546.07
+ `Away W-L%`	1	482.09	546.09
- FTRD	1	486.67	546.67
- ADJDE	1	487.36	547.36
- ORB:DRB	1	487.54	547.54
- TOR:TORD	1	488.83	548.83

Step: AIC=542.46

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%` +  
`AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` +  
`EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `3P%D`	1	482.59	540.59
- `Overall SOS`	1	482.81	540.81
- `ADJ T.`	1	482.98	540.98
- `3P%`	1	483.15	541.15
- `AVG PD`	1	483.33	541.33
- `2P%`:`2P%D`	1	483.47	541.47

- `Overall SRS`	1	483.52	541.52
- `Conf. W-L%`	1	483.76	541.76
- `Home W-L%`	1	483.84	541.84
<none>		482.46	542.46
- FTR	1	484.48	542.48
- ADJOE	1	484.80	542.80
- `AVG PPG`: `AVG DPPG`	1	485.43	543.43
- `PF/G`	1	485.67	543.67
- `EFG%`: `EFGD%`	1	485.75	543.75
+ `3P%`: `3PD`	1	482.12	544.12
+ ADJOE:ADJDE	1	482.28	544.28
- `AST/TOV`	1	486.30	544.30
+ `2P%`: `3P%`	1	482.38	544.38
+ FTR:FTRD	1	482.39	544.39
+ `Away W-L%`	1	482.39	544.39
- FTRD	1	487.02	545.02
- ADJDE	1	487.55	545.55
- ORB:DRB	1	487.85	545.85
- TOR:TORD	1	489.35	547.35

Step: AIC=540.59

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `2PD` + `3P%` + `ADJ T.` + `Overall SRS` +  
 `Overall SOS` + `Conf. W-L%` + `Home W-L%` + `AVG PPG` +  
 `AVG DPPG` + `AVG PD` + `AST/TOV` + `PF/G` + `EFG%`: `EFGD%` +  
 TOR:TORD + ORB:DRB + `2P%`: `2PD` + `AVG PPG`: `AVG DPPG`

	Df	Deviance	AIC
- `Overall SOS`	1	482.91	538.91
- `ADJ T.`	1	483.10	539.10
- `3P%`	1	483.29	539.29
- `AVG PD`	1	483.55	539.55
- `2P%`: `2PD`	1	483.55	539.55
- `Overall SRS`	1	483.58	539.58
- `Conf. W-L%`	1	483.90	539.90
- `Home W-L%`	1	483.99	539.99
- FTR	1	484.52	540.52
<none>		482.59	540.59
- ADJOE	1	484.92	540.92
- `AVG PPG`: `AVG DPPG`	1	485.53	541.53
- `PF/G`	1	485.82	541.82
- `EFG%`: `EFGD%`	1	485.84	541.84
- `AST/TOV`	1	486.38	542.38

+ ADJOE:ADJDE	1	482.44	542.44
+ `3P%D`	1	482.46	542.46
+ `2P%`:`3P%`	1	482.51	542.51
+ FTR:FTRD	1	482.52	542.52
+ `Away W-L%`	1	482.53	542.53
- FTRD	1	487.16	543.16
- ADJDE	1	487.70	543.70
- ORB:DRB	1	487.97	543.97
- TOR:TORD	1	489.60	545.60

Step: AIC=538.91

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `ADJ T.` + `Overall SRS` +  
 `Conf. W-L%` + `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +  
 `AST/TOV` + `PF/G` + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB +  
 `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `ADJ T.`	1	483.51	537.51
- `3P%`	1	483.54	537.54
- `2P%`:`2P%D`	1	483.84	537.84
- `AVG PD`	1	483.88	537.88
- `Overall SRS`	1	484.33	538.33
- `Home W-L%`	1	484.34	538.34
- `Conf. W-L%`	1	484.47	538.47
- FTR	1	484.58	538.58
<none>		482.91	538.91
- ADJOE	1	485.13	539.13
- `AVG PPG`:`AVG DPPG`	1	485.66	539.66
- `PF/G`	1	486.00	540.00
- `EFG%`:`EFGD%`	1	486.03	540.03
- `AST/TOV`	1	486.57	540.57
+ `Overall SOS`	1	482.59	540.59
+ ADJOE:ADJDE	1	482.79	540.79
+ `3P%D`	1	482.81	540.81
+ `2P%`:`3P%`	1	482.82	540.82
+ `Away W-L%`	1	482.83	540.83
+ FTR:FTRD	1	482.83	540.83
- FTRD	1	487.18	541.18
- ADJDE	1	487.71	541.71
- ORB:DRB	1	488.25	542.25
- TOR:TORD	1	489.84	543.84

Step: AIC=537.51

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `Overall SRS` +  
 `Conf. W-L%` + `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` +  
 `AST/TOV` + `PF/G` + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB +  
 `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `3P%`	1	484.19	536.19
- `2P%`:`2P%D`	1	484.46	536.46
- `AVG PD`	1	484.51	536.51
- `Overall SRS`	1	484.92	536.92
- `Home W-L%`	1	484.94	536.94
- `Conf. W-L%`	1	485.13	537.13
<none>		483.51	537.51
- ADJOE	1	485.62	537.62
- FTR	1	485.77	537.77
- `PF/G`	1	486.11	538.11
- `AVG PPG`:`AVG DPPG`	1	486.39	538.39
- `EFG%`:`EFGD%`	1	486.53	538.53
+ `ADJ T.`	1	482.91	538.91
- `AST/TOV`	1	487.01	539.01
+ `Overall SOS`	1	483.10	539.10
- FTRD	1	487.18	539.18
+ ADJOE:ADJDE	1	483.39	539.39
+ `2P%`:`3P%`	1	483.40	539.40
+ `3P%D`	1	483.42	539.42
+ FTR:FTRD	1	483.44	539.44
+ `Away W-L%`	1	483.45	539.45
- ADJDE	1	488.76	540.76
- ORB:DRB	1	489.26	541.26
- TOR:TORD	1	490.96	542.96

Step: AIC=536.19

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `2P%D` + `Overall SRS` + `Conf. W-L%` +  
 `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +  
 `PF/G` + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `2P%`:`2P%D` +  
 `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `2P%`:`2P%D`	1	484.87	534.87
- `AVG PD`	1	485.15	535.15

- `Home W-L%`	1	485.61	535.61
- `Overall SRS`	1	485.64	535.64
- `Conf. W-L%`	1	485.73	535.73
- FTR	1	486.07	536.07
- ADJOE	1	486.14	536.14
<none>		484.19	536.19
- `PF/G`	1	486.81	536.81
- `EFG%`:`EFGD%`	1	486.81	536.81
- `AVG PPG`:`AVG DPPG`	1	487.28	537.28
- `AST/TOV`	1	487.48	537.48
+ `3P%`	1	483.51	537.51
+ `ADJ T.`	1	483.54	537.54
- FTRD	1	487.77	537.77
+ `Overall SOS`	1	483.85	537.85
+ ADJOE:ADJDE	1	484.07	538.07
+ `3P%D`	1	484.09	538.09
+ `Away W-L%`	1	484.11	538.11
+ FTR:FTRD	1	484.13	538.13
- ADJDE	1	489.35	539.35
- ORB:DRB	1	489.62	539.62
- TOR:TORD	1	491.39	541.39

Step: AIC=534.87

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `2P%D` + `Overall SRS` + `Conf. W-L%` +  
 `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +  
 `PF/G` + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `2P%D`	1	485.11	533.11
- `AVG PD`	1	485.64	533.64
- `2P%`	1	485.76	533.76
- `Home W-L%`	1	486.30	534.30
- `Overall SRS`	1	486.57	534.57
- ADJOE	1	486.60	534.60
- `Conf. W-L%`	1	486.63	534.63
- FTR	1	486.75	534.75
<none>		484.87	534.87
- `EFG%`:`EFGD%`	1	487.26	535.26
- `PF/G`	1	487.47	535.47
- `AVG PPG`:`AVG DPPG`	1	487.89	535.89
- `AST/TOV`	1	488.04	536.04
+ `2P%`:`2P%D`	1	484.19	536.19

+ `ADJ T.`	1	484.21	536.21
+ `3P%`	1	484.46	536.46
- FTRD	1	488.49	536.49
+ `Overall SOS`	1	484.54	536.54
+ `3P%D`	1	484.81	536.81
+ ADJOE:ADJDE	1	484.81	536.81
+ FTR:FTRD	1	484.81	536.81
+ `Away W-L%`	1	484.81	536.81
- ADJDE	1	489.84	537.84
- ORB:DRB	1	490.35	538.35
- TOR:TORD	1	492.14	540.14

Step: AIC=533.11

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `Overall SRS` + `Conf. W-L%` +  
 `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `AST/TOV` +  
 `PF/G` + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `AVG PD`	1	485.95	531.95
- `2P%`	1	486.03	532.03
- `Home W-L%`	1	486.63	532.63
- `Overall SRS`	1	486.71	532.71
- `Conf. W-L%`	1	486.89	532.89
- ADJOE	1	486.93	532.93
- FTR	1	487.07	533.07
<none>		485.11	533.11
- `EFG%`:`EFGD%`	1	487.58	533.58
- `PF/G`	1	487.66	533.66
- `AVG PPG`:`AVG DPPG`	1	488.15	534.15
- `AST/TOV`	1	488.29	534.29
+ `ADJ T.`	1	484.48	534.48
- FTRD	1	488.63	534.63
+ `Overall SOS`	1	484.74	534.74
+ `3P%`	1	484.74	534.74
+ `2P%D`	1	484.87	534.87
+ `3P%D`	1	484.93	534.93
+ `Away W-L%`	1	485.03	535.03
+ ADJOE:ADJDE	1	485.04	535.04
+ FTR:FTRD	1	485.05	535.05
- ADJDE	1	490.18	536.18
- ORB:DRB	1	490.62	536.62
- TOR:TORD	1	492.39	538.39

Step: AIC=531.95

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `2P%` + `Overall SRS` + `Conf. W-L%` +  
 `Home W-L%` + `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` +  
 `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `2P%`	1	486.89	530.89
- `Home W-L%`	1	487.30	531.30
- `Overall SRS`	1	487.61	531.61
- `Conf. W-L%`	1	487.67	531.67
- ADJOE	1	487.69	531.69
- FTR	1	487.88	531.88
<none>		485.95	531.95
- `PF/G`	1	488.22	532.22
- `EFG%`:`EFGD%`	1	488.28	532.28
- `AVG PPG`:`AVG DPPG`	1	488.94	532.94
+ `AVG PD`	1	485.11	533.11
- FTRD	1	489.14	533.14
- `AST/TOV`	1	489.16	533.16
+ `ADJ T.`	1	485.31	533.31
+ `Overall SOS`	1	485.55	533.55
+ `3P%`	1	485.59	533.59
+ `2P%D`	1	485.64	533.64
+ `3P%D`	1	485.73	533.73
+ ADJOE:ADJDE	1	485.84	533.84
+ FTR:FTRD	1	485.87	533.87
+ `Away W-L%`	1	485.88	533.88
- ADJDE	1	490.82	534.82
- ORB:DRB	1	491.15	535.15
- TOR:TORD	1	493.15	537.15

Step: AIC=530.89

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `Overall SRS` + `Conf. W-L%` + `Home W-L%` +  
 `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` + `EFG%`:`EFGD%` +  
 TOR:TORD + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `Home W-L%`	1	488.22	530.22
- ADJOE	1	488.26	530.26
- `Conf. W-L%`	1	488.65	530.65

- FTR	1	488.67	530.67
- `Overall SRS`	1	488.70	530.70
<none>		486.89	530.89
- `EFG%`:`EFGD%`	1	489.25	531.25
- `PF/G`	1	489.43	531.43
- `AVG PPG`:`AVG DPPG`	1	489.84	531.84
+ `2P%`	1	485.95	531.95
- `AST/TOV`	1	489.99	531.99
+ `AVG PD`	1	486.03	532.03
- FTRD	1	490.11	532.11
+ `ADJ T.`	1	486.22	532.22
+ `3P%`	1	486.27	532.27
+ `2P%D`	1	486.55	532.55
+ `Overall SOS`	1	486.55	532.55
+ `3P%D`	1	486.65	532.65
+ ADJOE:ADJDE	1	486.80	532.80
+ FTR:FTRD	1	486.81	532.81
+ `Away W-L%`	1	486.83	532.83
- ORB:DRB	1	491.74	533.74
- ADJDE	1	492.03	534.03
- TOR:TORD	1	493.68	535.68

Step: AIC=530.22

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `Overall SRS` + `Conf. W-L%` + `AVG PPG` +  
 `AVG DPPG` + `AST/TOV` + `PF/G` + `EFG%`:`EFGD%` + TOR:TORD +  
 ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `Conf. W-L%`	1	489.11	529.11
- ADJOE	1	489.59	529.59
- `Overall SRS`	1	489.81	529.81
- FTR	1	490.18	530.18
<none>		488.22	530.22
- `EFG%`:`EFGD%`	1	490.31	530.31
- `PF/G`	1	490.71	530.71
+ `Home W-L%`	1	486.89	530.89
+ `2P%`	1	487.30	531.30
- `AVG PPG`:`AVG DPPG`	1	491.34	531.34
+ `Away W-L%`	1	487.36	531.36
- `AST/TOV`	1	491.38	531.38
- FTRD	1	491.44	531.44
+ `AVG PD`	1	487.54	531.54



+ `ADJ T.`	1	487.57	531.57
+ `3P%`	1	487.61	531.61
+ `2P%D`	1	487.80	531.80
+ `Overall SOS`	1	487.84	531.84
+ `3P%D`	1	487.90	531.90
+ ADJOE:ADJDE	1	488.09	532.09
+ FTR:FTRD	1	488.15	532.15
- ORB:DRB	1	493.37	533.37
- ADJDE	1	493.88	533.88
- TOR:TORD	1	495.02	535.02

Step: AIC=529.11

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `Overall SRS` + `AVG PPG` + `AVG DPPG` +  
 `AST/TOV` + `PF/G` + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB +  
 `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `Overall SRS`	1	490.15	528.15
- ADJOE	1	490.75	528.75
- FTR	1	490.80	528.80
<none>		489.11	529.11
- `EFG%`:`EFGD%`	1	491.24	529.24
+ `Away W-L%`	1	487.38	529.38
- `PF/G`	1	491.48	529.48
- FTRD	1	492.05	530.05
+ `2P%`	1	488.15	530.15
- `AVG PPG`:`AVG DPPG`	1	492.16	530.16
+ `Conf. W-L%`	1	488.22	530.22
- `AST/TOV`	1	492.39	530.39
+ `ADJ T.`	1	488.40	530.40
+ `AVG PD`	1	488.40	530.40
+ `3P%`	1	488.44	530.44
+ `Overall SOS`	1	488.52	530.52
+ `Home W-L%`	1	488.65	530.65
+ `2P%D`	1	488.70	530.70
+ `3P%D`	1	488.80	530.80
+ ADJOE:ADJDE	1	488.97	530.97
+ FTR:FTRD	1	489.08	531.08
- ORB:DRB	1	494.65	532.65
- ADJDE	1	495.80	533.80
- TOR:TORD	1	495.98	533.98

Step: AIC=528.15

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTR + FTRD + `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` +  
 `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- FTR	1	491.92	527.92
<none>		490.15	528.15
- `PF/G`	1	492.26	528.26
- `EFG%`:`EFGD%`	1	492.29	528.29
- FTRD	1	492.70	528.70
+ `Away W-L%`	1	489.00	529.00
+ `2P%`	1	489.09	529.09
+ `Overall SRS`	1	489.11	529.11
- `AVG PPG`:`AVG DPPG`	1	493.36	529.36
+ `AVG PD`	1	489.39	529.39
- `AST/TOV`	1	493.40	529.40
+ `3P%`	1	489.41	529.41
+ `ADJ T.`	1	489.46	529.46
+ `Home W-L%`	1	489.62	529.62
+ `Overall SOS`	1	489.72	529.72
+ `Conf. W-L%`	1	489.81	529.81
+ `2P%D`	1	489.84	529.84
+ `3P%D`	1	489.91	529.91
+ ADJOE:ADJDE	1	490.11	530.11
+ FTR:FTRD	1	490.14	530.14
- ORB:DRB	1	495.65	531.65
- TOR:TORD	1	496.68	532.68
- ADJOE	1	501.51	537.51
- ADJDE	1	515.66	551.66

Step: AIC=527.92

round\_32 ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD + ORB +  
 DRB + FTRD + `AVG PPG` + `AVG DPPG` + `AST/TOV` + `PF/G` +  
 `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
<none>		491.92	527.92
- `AST/TOV`	1	494.13	528.13
+ FTR	1	490.15	528.15
- FTRD	1	494.27	528.27
- `EFG%`:`EFGD%`	1	494.31	528.31
- `PF/G`	1	494.52	528.52

+ `ADJ T.`	1	490.72	528.72
+ `Overall SRS`	1	490.80	528.80
+ `2P%`	1	491.02	529.02
+ `Away W-L%`	1	491.12	529.12
- `AVG PPG`:`AVG DPPG`	1	495.17	529.17
+ `Home W-L%`	1	491.19	529.19
+ `3P%`	1	491.20	529.20
+ `AVG PD`	1	491.21	529.21
+ `Overall SOS`	1	491.28	529.28
+ `2P%D`	1	491.52	529.52
+ `3P%D`	1	491.57	529.57
+ `Conf. W-L%`	1	491.74	529.74
+ ADJOE:ADJDE	1	491.88	529.88
- ORB:DRB	1	497.21	531.21
- TOR:TORD	1	498.52	532.52
- ADJOE	1	502.37	536.37
- ADJDE	1	518.59	552.59

```
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=299.74

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
- `3P%`:`3P%D`	1	229.75	297.75
- FTR:FTRD	1	229.76	297.76
- `AST/TOV`	1	229.82	297.82
- `2P%`:`3P%`	1	229.84	297.84
- `Home W-L%`	1	229.84	297.84
- `Overall SRS`	1	229.87	297.87
- `Overall SOS`	1	229.90	297.89
- `AVG PD`	1	229.91	297.92
- `Away W-L%`	1	230.23	298.23
- `Conf. W-L%`	1	230.34	298.34
- ORB:DRB	1	230.84	298.85
- `ADJ T.`	1	231.34	299.34
- TOR:TORD	1	231.53	299.53
- `2P%`:`2P%D`	1	231.53	299.53
<none>		229.74	299.74
- `EFG%`:`EFGD%`	1	232.16	300.16
- `PF/G`	1	234.02	302.02
- ADJOE:ADJDE	1	234.33	302.33
- `AVG PPG`:`AVG DPPG`	1	235.93	303.93

Step: AIC=297.75

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%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- FTR:FTRD	1	229.76	295.76
- `AST/TOV`	1	229.83	295.83
- `Home W-L%`	1	229.85	295.85
- `2P%`:`3P%`	1	229.85	295.85
- `Overall SRS`	1	229.87	295.87
- `Overall SOS`	1	229.90	295.90

- `AVG PD`	1	229.93	295.93
- `Away W-L%`	1	230.24	296.24
- `Conf. W-L%`	1	230.36	296.36
- ORB:DRB	1	230.89	296.89
- `ADJ T.`	1	231.34	297.35
- TOR:TORD	1	231.53	297.53
- `3P%D`	1	231.64	297.64
<none>		229.75	297.75
- `2P%`:`2P%D`	1	231.85	297.85
- `EFG%`:`EFGD%`	1	233.13	299.13
+ `3P%`:`3P%D`	1	229.74	299.74
- `PF/G`	1	234.05	300.05
- ADJOE:ADJDE	1	234.36	300.36
- `AVG PPG`:`AVG DPPG`	1	235.95	301.95

Step: AIC=295.76

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 + `2P%`:`2P%D` + `2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `AST/TOV`	1	229.84	293.85
- `2P%`:`3P%`	1	229.86	293.86
- `Home W-L%`	1	229.86	293.86
- `Overall SRS`	1	229.90	293.89
- `Overall SOS`	1	229.92	293.92
- `AVG PD`	1	229.94	293.94
- `Away W-L%`	1	230.25	294.25
- `Conf. W-L%`	1	230.37	294.37
- ORB:DRB	1	230.95	294.95
- `ADJ T.`	1	231.36	295.36
- FTR	1	231.46	295.46
- TOR:TORD	1	231.53	295.53
- `3P%D`	1	231.67	295.67
<none>		229.76	295.76
- `2P%`:`2P%D`	1	231.86	295.86
- `EFG%`:`EFGD%`	1	233.16	297.16
+ FTR:FTRD	1	229.75	297.75
+ `3P%`:`3P%D`	1	229.76	297.76
- FTRD	1	234.00	298.00

- `PF/G`	1	234.08	298.08
- ADJOE:ADJDE	1	234.38	298.38
- `AVG PPG`:`AVG DPPG`	1	235.97	299.97

Step: AIC=293.85

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

	Df	Deviance	AIC
- `Home W-L%`	1	229.94	291.94
- `2P%`:`3P%`	1	229.95	291.95
- `Overall SRS`	1	229.99	291.99
- `Overall SOS`	1	230.01	292.01
- `AVG PD`	1	230.01	292.01
- `Away W-L%`	1	230.32	292.32
- `Conf. W-L%`	1	230.44	292.44
- ORB:DRB	1	231.04	293.04
- `ADJ T.`	1	231.39	293.39
- FTR	1	231.46	293.46
- TOR:TORD	1	231.55	293.55
- `3P%D`	1	231.78	293.78
<none>		229.84	293.85
- `2P%`:`2P%D`	1	232.03	294.03
- `EFG%`:`EFGD%`	1	233.20	295.20
+ `AST/TOV`	1	229.76	295.76
+ FTR:FTRD	1	229.83	295.83
+ `3P%`:`3P%D`	1	229.84	295.84
- FTRD	1	234.07	296.07
- `PF/G`	1	234.13	296.13
- ADJOE:ADJDE	1	234.38	296.38
- `AVG PPG`:`AVG DPPG`	1	236.00	298.00

Step: AIC=291.94

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%` +  
`Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` +  
ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `2P%`:`2P%D` +  
`2P%`:`3P%` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `2P%`:`3P%`	1	230.06	290.06
- `AVG PD`	1	230.11	290.11
- `Overall SOS`	1	230.13	290.13
- `Overall SRS`	1	230.13	290.13
- `Conf. W-L%`	1	230.55	290.55
- ORB:DRB	1	231.22	291.22
- `Away W-L%`	1	231.33	291.33
- `ADJ T.`	1	231.41	291.40
- FTR	1	231.53	291.53
- TOR:TORD	1	231.59	291.59
- `3P%D`	1	231.84	291.83
<none>		229.94	291.94
- `2P%`:`2P%D`	1	232.10	292.11
- `EFG%`:`EFGD%`	1	233.25	293.25
+ `Home W-L%`	1	229.84	293.85
+ `AST/TOV`	1	229.86	293.86
+ FTR:FTRD	1	229.93	293.93
+ `3P%`:`3P%D`	1	229.94	293.94
- FTRD	1	234.13	294.13
- `PF/G`	1	234.16	294.16
- ADJOE:ADJDE	1	234.59	294.60
- `AVG PPG`:`AVG DPPG`	1	236.03	296.03

Step: AIC=290.06

```
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%` +
  `Away W-L%` + `AVG PPG` + `AVG DPPG` + `AVG PD` + `PF/G` +
  ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `2P%`:`2P%D` +
  `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- `Overall SRS`	1	230.25	288.25
- `Overall SOS`	1	230.26	288.26
- `AVG PD`	1	230.29	288.29
- `Conf. W-L%`	1	230.61	288.61
- ORB:DRB	1	231.29	289.29
- `ADJ T.`	1	231.50	289.50
- `Away W-L%`	1	231.62	289.62
- FTR	1	231.65	289.65
- TOR:TORD	1	231.80	289.80

- `3P%D`	1	231.92	289.92
<none>		230.06	290.06
- `2P%`:`2P%D`	1	232.34	290.34
- `EFG%`:`EFGD%`	1	233.49	291.49
+ `2P%`:`3P%`	1	229.94	291.94
+ `Home W-L%`	1	229.95	291.95
+ `AST/TOV`	1	229.97	291.97
+ `3P%`:`3P%D`	1	230.05	292.05
+ FTR:FTRD	1	230.06	292.06
- FTRD	1	234.26	292.26
- `PF/G`	1	234.31	292.31
- `3P%`	1	234.46	292.45
- ADJOE:ADJDE	1	234.60	292.60
- `AVG PPG`:`AVG DPPG`	1	236.20	294.20

Step: AIC=288.26

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%` + `Away W-L%` + `AVG PPG` +  
 `AVG DPPG` + `AVG PD` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` +  
 TOR:TORD + ORB:DRB + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `Overall SOS`	1	230.26	286.26
- `AVG PD`	1	230.44	286.44
- `Conf. W-L%`	1	230.94	286.94
- ORB:DRB	1	231.57	287.57
- FTR	1	231.65	287.65
- `Away W-L%`	1	231.70	287.70
- `ADJ T.`	1	231.81	287.81
- TOR:TORD	1	231.92	287.92
- `3P%D`	1	231.95	287.95
<none>		230.25	288.25
- `2P%`:`2P%D`	1	232.65	288.65
- `EFG%`:`EFGD%`	1	234.03	290.03
+ `Overall SRS`	1	230.06	290.06
+ `Home W-L%`	1	230.10	290.10
+ `2P%`:`3P%`	1	230.13	290.13
+ `AST/TOV`	1	230.15	290.15
+ FTR:FTRD	1	230.24	290.24
+ `3P%`:`3P%D`	1	230.25	290.25
- `3P%`	1	234.50	290.50
- `PF/G`	1	234.89	290.89



- ADJOE:ADJDE	1	235.00	291.00
- FTRD	1	235.66	291.66
- `AVG PPG`:`AVG DPPG`	1	236.45	292.45

Step: AIC=286.26

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +  
ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +  
`ADJ T.` + `Conf. W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +  
`AVG PD` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD +  
ORB:DRB + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `AVG PD`	1	230.45	284.45
- `Conf. W-L%`	1	230.95	284.95
- ORB:DRB	1	231.57	285.57
- FTR	1	231.67	285.67
- `Away W-L%`	1	231.71	285.71
- `ADJ T.`	1	231.82	285.82
- `3P%D`	1	231.95	285.95
- TOR:TORD	1	231.96	285.96
<none>		230.26	286.26
- `2P%`:`2P%D`	1	232.71	286.71
- `EFG%`:`EFGD%`	1	234.03	288.04
+ `Home W-L%`	1	230.12	288.12
+ `2P%`:`3P%`	1	230.13	288.13
+ `AST/TOV`	1	230.16	288.16
+ FTR:FTRD	1	230.25	288.25
+ `3P%`:`3P%D`	1	230.25	288.25
+ `Overall SOS`	1	230.25	288.25
+ `Overall SRS`	1	230.26	288.26
- `3P%`	1	234.58	288.58
- `PF/G`	1	234.89	288.89
- ADJOE:ADJDE	1	235.08	289.08
- FTRD	1	235.67	289.67
- `AVG PPG`:`AVG DPPG`	1	236.45	290.45

Step: AIC=284.45

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +  
ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +  
`ADJ T.` + `Conf. W-L%` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +  
`PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB +  
`2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `Conf. W-L%`	1	231.18	283.18
- `Away W-L%`	1	231.75	283.75
- ORB:DRB	1	231.75	283.75
- FTR	1	231.94	283.94
- `3P%D`	1	232.03	284.03
- `ADJ T.`	1	232.08	284.08
- TOR:TORD	1	232.09	284.09
<none>		230.45	284.45
- `2P%`:`2P%D`	1	232.78	284.78
- `EFG%`:`EFGD%`	1	234.12	286.12
+ `AVG PD`	1	230.26	286.26
+ `2P%`:`3P%`	1	230.27	286.27
+ `Home W-L%`	1	230.30	286.30
+ `AST/TOV`	1	230.36	286.36
+ `3P%`:`3P%D`	1	230.43	286.43
+ FTR:FTRD	1	230.43	286.43
+ `Overall SOS`	1	230.44	286.44
+ `Overall SRS`	1	230.44	286.44
- `3P%`	1	234.85	286.85
- `PF/G`	1	235.01	287.01
- ADJOE:ADJDE	1	235.28	287.28
- FTRD	1	235.73	287.73
- `AVG PPG`:`AVG DPPG`	1	236.67	288.67

Step: AIC=283.18

```
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
  ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +
  `ADJ T.` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` +
  ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + ORB:DRB + `2P%`:`2P%D` +
  `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- ORB:DRB	1	232.62	282.62
- FTR	1	232.72	282.72
- `ADJ T.`	1	232.72	282.73
- TOR:TORD	1	232.85	282.86
- `3P%D`	1	233.00	283.00
<none>		231.18	283.18
- `2P%`:`2P%D`	1	233.79	283.79
+ `Conf. W-L%`	1	230.45	284.45
+ `AVG PD`	1	230.95	284.95
+ `Home W-L%`	1	231.07	285.07

+ `2P%`:`3P%`	1	231.09	285.09
+ `AST/TOV`	1	231.11	285.11
+ `Overall SRS`	1	231.11	285.11
+ `3P%`:`3P%D`	1	231.15	285.15
+ FTR:FTRD	1	231.16	285.15
+ `Overall SOS`	1	231.17	285.17
- `EFG%`:`EFGD%`	1	235.21	285.21
- `PF/G`	1	235.60	285.60
- `3P%`	1	235.98	285.98
- ADJOE:ADJDE	1	236.13	286.13
- FTRD	1	236.22	286.23
- `Away W-L%`	1	236.95	286.95
- `AVG PPG`:`AVG DPPG`	1	237.56	287.56

Step: AIC=282.62

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +  
 ORB + DRB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` +  
 `ADJ T.` + `Away W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` +  
 ADJOE:ADJDE + `EFG%`:`EFGD%` + TOR:TORD + `2P%`:`2P%D` +  
 `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- DRB	1	232.69	280.69
- ORB	1	233.29	281.29
- TOR:TORD	1	233.84	281.84
- `ADJ T.`	1	233.94	281.94
- FTR	1	234.35	282.35
- `3P%D`	1	234.46	282.46
<none>		232.62	282.62
+ ORB:DRB	1	231.18	283.18
- `2P%`:`2P%D`	1	235.32	283.32
+ `Conf. W-L%`	1	231.75	283.75
+ `AVG PD`	1	232.39	284.39
+ `Overall SRS`	1	232.45	284.45
+ FTR:FTRD	1	232.50	284.50
+ `3P%`:`3P%D`	1	232.53	284.53
+ `Home W-L%`	1	232.54	284.55
+ `AST/TOV`	1	232.54	284.55
+ `2P%`:`3P%`	1	232.58	284.58
+ `Overall SOS`	1	232.58	284.58
- `EFG%`:`EFGD%`	1	236.83	284.83
- `PF/G`	1	237.09	285.09
- ADJOE:ADJDE	1	237.19	285.19

- FTRD	1	237.57	285.57
- `3P%`	1	238.27	286.27
- `Away W-L%`	1	238.49	286.49
- `AVG PPG`:`AVG DPPG`	1	238.54	286.54

Step: AIC=280.69

```
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
  ORB + FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
  `Away W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE +
  `EFG%`:`EFGD%` + TOR:TORD + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- ORB	1	233.50	279.50
- TOR:TORD	1	233.91	279.91
- `ADJ T.`	1	234.26	280.26
- `3P%D`	1	234.48	280.48
- FTR	1	234.48	280.48
<none>		232.69	280.69
- `2P%`:`2P%D`	1	235.40	281.40
+ `Conf. W-L%`	1	231.87	281.87
+ `Overall SRS`	1	232.47	282.47
+ `AVG PD`	1	232.48	282.48
+ FTR:FTRD	1	232.56	282.56
+ `3P%`:`3P%D`	1	232.58	282.58
+ `AST/TOV`	1	232.60	282.60
+ DRB	1	232.62	282.62
+ `Home W-L%`	1	232.63	282.63
+ `Overall SOS`	1	232.63	282.63
+ `2P%`:`3P%`	1	232.65	282.65
- `EFG%`:`EFGD%`	1	236.85	282.85
- `PF/G`	1	237.10	283.10
- ADJOE:ADJDE	1	237.21	283.21
- FTRD	1	237.88	283.88
- `3P%`	1	238.47	284.47
- `Away W-L%`	1	238.52	284.52
- `AVG PPG`:`AVG DPPG`	1	238.60	284.60

Step: AIC=279.5

```
sweet_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +
  FTR + FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` +
  `Away W-L%` + `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE +
  `EFG%`:`EFGD%` + TOR:TORD + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`
```

	Df	Deviance	AIC
- FTR	1	234.89	278.89
- TOR:TORD	1	234.98	278.98
- `3P%D`	1	235.18	279.18
<none>		233.50	279.50
- `ADJ T.`	1	236.10	280.10
- `2P%`:`2P%D`	1	236.16	280.16
+ ORB	1	232.69	280.69
+ `Conf. W-L%`	1	232.69	280.69
+ `AST/TOV`	1	233.26	281.26
+ `AVG PD`	1	233.26	281.26
+ DRB	1	233.29	281.29
+ `Overall SRS`	1	233.34	281.34
+ `3P%`:`3P%D`	1	233.37	281.37
+ FTR:FTRD	1	233.42	281.42
+ `Overall SOS`	1	233.45	281.45
+ `Home W-L%`	1	233.46	281.46
+ `2P%`:`3P%`	1	233.49	281.49
- `EFG%`:`EFGD%`	1	237.76	281.76
- `PF/G`	1	237.79	281.79
- ADJOE:ADJDE	1	238.49	282.49
- FTRD	1	238.57	282.57
- `3P%`	1	238.66	282.66
- `Away W-L%`	1	239.48	283.48
- `AVG PPG`:`AVG DPPG`	1	239.78	283.77

Step: AIC=278.89

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +  
FTRD + `2P%` + `2P%D` + `3P%` + `3P%D` + `ADJ T.` + `Away W-L%` +  
`AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` +  
TOR:TORD + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- `3P%D`	1	236.19	278.19
- TOR:TORD	1	236.32	278.32
<none>		234.89	278.89
- `2P%`:`2P%D`	1	237.48	279.48
+ FTR	1	233.50	279.50
+ `Conf. W-L%`	1	234.02	280.02
- `PF/G`	1	238.17	280.17
+ ORB	1	234.48	280.48
+ `AVG PD`	1	234.58	280.58
+ DRB	1	234.64	280.64

+ `3P%`:`3P%D`	1	234.65	280.65
+ `Home W-L%`	1	234.79	280.79
+ `Overall SRS`	1	234.81	280.81
+ `Overall SOS`	1	234.85	280.85
+ `2P%`:`3P%`	1	234.87	280.87
- `EFG%`:`EFGD%`	1	238.88	280.88
+ `AST/TOV`	1	234.88	280.88
- `3P%`	1	239.01	281.01
- `ADJ T.`	1	239.10	281.10
- FTRD	1	239.12	281.12
- ADJOE:ADJDE	1	239.62	281.62
- `Away W-L%`	1	241.07	283.07
- `AVG PPG`:`AVG DPPG`	1	241.18	283.18

Step: AIC=278.19

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +  
 FTRD + `2P%` + `2P%D` + `3P%` + `ADJ T.` + `Away W-L%` +  
 `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` +  
 TOR:TORD + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- TOR:TORD	1	237.30	277.30
<none>		236.19	278.19
+ `3P%D`	1	234.89	278.89
+ `Conf. W-L%`	1	235.10	279.10
+ FTR	1	235.18	279.18
- `2P%`:`2P%D`	1	239.25	279.25
- `PF/G`	1	239.80	279.80
+ ORB	1	235.81	279.81
+ `Home W-L%`	1	235.99	279.99
+ `AVG PD`	1	236.02	280.02
+ DRB	1	236.05	280.05
+ `Overall SRS`	1	236.10	280.11
+ `Overall SOS`	1	236.11	280.11
+ `AST/TOV`	1	236.17	280.17
- `ADJ T.`	1	240.18	280.18
+ `2P%`:`3P%`	1	236.19	280.19
- `3P%`	1	240.32	280.32
- `EFG%`:`EFGD%`	1	240.54	280.54
- FTRD	1	240.78	280.78
- ADJOE:ADJDE	1	240.92	280.92
- `Away W-L%`	1	242.30	282.30
- `AVG PPG`:`AVG DPPG`	1	242.42	282.42

Step: AIC=277.3

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TOR + TORD +  
 FTRD + `2P%` + `2P%D` + `3P%` + `ADJ T.` + `Away W-L%` +  
 `AVG PPG` + `AVG DPPG` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` +  
 `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- TOR	1	237.32	275.32
- TORD	1	237.71	275.71
<none>		237.30	277.30
+ TOR:TORD	1	236.19	278.19
+ `Conf. W-L%`	1	236.24	278.24
+ FTR	1	236.31	278.31
+ `3P%D`	1	236.32	278.32
- `2P%`:`2P%D`	1	240.60	278.60
+ ORB	1	236.77	278.77
- `ADJ T.`	1	240.83	278.83
- ADJOE:ADJDE	1	240.95	278.95
+ `Overall SOS`	1	237.04	279.04
+ `Home W-L%`	1	237.04	279.04
+ `Overall SRS`	1	237.08	279.08
+ DRB	1	237.10	279.11
- `EFG%`:`EFGD%`	1	241.13	279.13
+ `AVG PD`	1	237.17	279.17
+ `2P%`:`3P%`	1	237.27	279.27
+ `AST/TOV`	1	237.29	279.29
- `3P%`	1	241.42	279.42
- `PF/G`	1	241.90	279.90
- `AVG PPG`:`AVG DPPG`	1	242.89	280.89
- FTRD	1	242.89	280.89
- `Away W-L%`	1	243.91	281.91

Step: AIC=275.32

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + TORD + FTRD +  
 `2P%` + `2P%D` + `3P%` + `ADJ T.` + `Away W-L%` + `AVG PPG` +  
 `AVG DPPG` + `PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + `2P%`:`2P%D` +  
 `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
- TORD	1	237.78	273.78
<none>		237.32	275.32
+ `Conf. W-L%`	1	236.26	276.26

+ `3P%D`	1	236.32	276.32
+ FTR	1	236.34	276.34
- `2P%`:`2P%D`	1	240.71	276.71
- `ADJ T.`	1	240.84	276.84
- ADJOE:ADJDE	1	240.98	276.98
+ `Overall SOS`	1	237.05	277.05
+ `Home W-L%`	1	237.06	277.06
+ ORB	1	237.07	277.07
+ `Overall SRS`	1	237.08	277.08
+ DRB	1	237.12	277.12
- `EFG%`:`EFGD%`	1	241.18	277.18
+ `AVG PD`	1	237.20	277.20
+ `2P%`:`3P%`	1	237.29	277.29
+ TOR	1	237.30	277.30
+ `AST/TOV`	1	237.31	277.31
- `3P%`	1	241.42	277.42
- `PF/G`	1	242.07	278.07
- `AVG PPG`:`AVG DPPG`	1	242.90	278.90
- FTRD	1	242.97	278.97
- `Away W-L%`	1	243.95	279.95

Step: AIC=273.78

sweet\_sixteen ~ ADJOE + ADJDE + `EFG%` + `EFGD%` + FTRD + `2P%` +  
`2P%D` + `3P%` + `ADJ T.` + `Away W-L%` + `AVG PPG` + `AVG DPPG` +  
`PF/G` + ADJOE:ADJDE + `EFG%`:`EFGD%` + `2P%`:`2P%D` + `AVG PPG`:`AVG DPPG`

	Df	Deviance	AIC
<none>		237.78	273.78
+ FTR	1	236.68	274.68
+ `3P%D`	1	236.74	274.74
- `ADJ T.`	1	240.85	274.85
+ `Conf. W-L%`	1	236.87	274.87
+ DRB	1	237.12	275.12
- `2P%`:`2P%D`	1	241.14	275.14
- ADJOE:ADJDE	1	241.28	275.28
+ TORD	1	237.32	275.32
+ `Overall SOS`	1	237.45	275.45
+ ORB	1	237.47	275.48
+ `Overall SRS`	1	237.51	275.51
+ `Home W-L%`	1	237.52	275.52
+ `AVG PD`	1	237.64	275.64
+ TOR	1	237.71	275.71
+ `2P%`:`3P%`	1	237.76	275.76



```

+ `AST/TOV`          1    237.77 275.77
- `EFG%`:`EFGD%`     1    241.99 275.99
- `3P%`              1    241.99 275.99
- `PF/G`             1    242.73 276.73
- `AVG PPG`:`AVG DPPG` 1    243.84 277.84
- `Away W-L%`        1    244.14 278.14
- FTRD               1    244.90 278.90

```

```
`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/2023marchmadness.csv")
```

Rows: 63 Columns: 16

-- Column specification -----

Delimiter: ","

chr (1): TEAM

dbl (15): ADJOE, ADJDE, EFG%, EFGD%, TOR, TORD, ORB, DRB, FTR, FTRD, 2P%, 2P...

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.

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

```
tibble(predict(round_64_model, `2023marchmadness`)) |>
```

```
  mutate(rank = seq(1:63)) |>
```

```
  left_join(mutate(`2023marchmadness`, rank = seq(1:63))) |>
```

```
  arrange(desc(predict(round_64_model, `2023marchmadness`)))
```

Joining, by = "rank"

```
# A tibble: 63 x 30
  predic~1 rank TEAM ADJOE ADJDE `EFG%` `EFGD%` TOR TORD ORB DRB FTR
    <dbl> <int> <chr> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
1     3.58     3 UCLA  113.  87.4  50.9  46.8  15.3  23.6  33.7  27.6  27.1
2     3.35     1 Hous~  117.  88    52.7  42.5  15.3  22    37.1  27.4  28.5
3     3.10     2 Alab~  115.  88.3  52.7  41.5  19    15.9  33.8  27.5  36.7
4     2.74    11 Marq~  119.  96.1  56    51.1  15.2  22.8  26.5  32.1  27.1
5     2.49     6 Purd~  118.  92.6  52.2  47.2  17    15.4  38.3  23.3  37.2
6     2.49    12 San ~  111.  90.1  50.1  47.5  17.6  19.6  31.7  25.8  34.3
7     2.33    13 Kans~  113.  91.5  52.4  47.1  17.5  20.2  28.4  28.3  29.8
8     2.28     9 Texas  115.  91.6  52.7  47.8  16.5  22.8  28.3  29.4  31.5
9     1.86     8 Sain~  112.  89.1  52.5  46.7  16.4  19    33.1  21.8  31.2
10    1.79     5 Conn~  119.  92.5  53.5  45.5  18.9  19.4  39.2  26.2  31.4
# ... with 53 more rows, 18 more variables: FTRD <dbl>, `2P%` <dbl>,
# `2P%D` <dbl>, `3P%` <dbl>, `3P%D` <dbl>, `ADJ T.` <dbl>, G <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, `2023marchmadness`)`
```

```
tibble(predict(round_32_model, `2023marchmadness`)) |>
  mutate(rank = seq(1:63)) |>
  left_join(mutate(`2023marchmadness`, rank = seq(1:63))) |>
  arrange(desc(predict(round_32_max, `2023marchmadness`)))
```

Joining, by = "rank"

```
# A tibble: 63 x 30
  predic~1 rank TEAM ADJOE ADJDE `EFG%` `EFGD%` TOR TORD ORB DRB FTR
    <dbl> <int> <chr> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
1     1.37     2 Alab~  115.  88.3  52.7  41.5  19    15.9  33.8  27.5  36.7
2     1.06     1 Hous~  117.  88    52.7  42.5  15.3  22    37.1  27.4  28.5
3     1.77     6 Purd~  118.  92.6  52.2  47.2  17    15.4  38.3  23.3  37.2
4     1.20     5 Conn~  119.  92.5  53.5  45.5  18.9  19.4  39.2  26.2  31.4
5     0.650     4 Tenn~  111.  86.2  50.3  42.4  18.1  22.2  36.8  26.9  30.9
6     0.720    12 San ~  111.  90.1  50.1  47.5  17.6  19.6  31.7  25.8  34.3
7     0.676    15 Bayl~  121.  99.5  53.1  51.4  18.1  19.9  34.7  31.1  37.2
8     0.968    11 Marq~  119.  96.1  56    51.1  15.2  22.8  26.5  32.1  27.1
9     1.16    10 Gonz~  123.  98.6  58.5  51.7  14.6  18.8  31.1  26    34.2
10    0.609     3 UCLA  113.  87.4  50.9  46.8  15.3  23.6  33.7  27.6  27.1
```

```
# ... with 53 more rows, 18 more variables: FTRD <dbl>, `2P%` <dbl>,
# `2P%D` <dbl>, `3P%` <dbl>, `3P%D` <dbl>, `ADJ T.` <dbl>, G <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, `2023marchmadness`)
```

```
tibble(predict(sweet_sixteen_model, `2023marchmadness`)) |>
  mutate(rank = seq(1:63)) |>
  left_join(mutate(`2023marchmadness`, rank = seq(1:63))) |>
  arrange(desc(predict(sweet_sixteen_model, `2023marchmadness`)))
```

Joining, by = "rank"

```
# A tibble: 63 x 30
```

	predic~1	rank	TEAM	ADJOE	ADJDE	`EFG%`	`EFGD%`	TOR	TORD	ORB	DRB	FTR
	<dbl>	<int>	<chr>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	2.30	1	Hous~	117.	88	52.7	42.5	15.3	22	37.1	27.4	28.5
2	1.43	5	Conn~	119.	92.5	53.5	45.5	18.9	19.4	39.2	26.2	31.4
3	1.27	2	Alab~	115.	88.3	52.7	41.5	19	15.9	33.8	27.5	36.7
4	0.990	13	Kans~	113.	91.5	52.4	47.1	17.5	20.2	28.4	28.3	29.8
5	0.736	12	San ~	111.	90.1	50.1	47.5	17.6	19.6	31.7	25.8	34.3
6	0.438	23	Aubu~	111.	93.2	49.6	45.6	18.1	19.3	33.3	32	35.5
7	0.434	15	Bayl~	121.	99.5	53.1	51.4	18.1	19.9	34.7	31.1	37.2
8	0.323	6	Purd~	118.	92.6	52.2	47.2	17	15.4	38.3	23.3	37.2
9	0.280	17	West~	116.	96.4	51.7	50.7	18.5	20.9	33.7	29.3	39.7
10	0.128	14	Crei~	114.	92.9	54.3	47.3	16.6	14.3	25.5	23.3	28.1

```
# ... with 53 more rows, 18 more variables: FTRD <dbl>, `2P%` <dbl>,
# `2P%D` <dbl>, `3P%` <dbl>, `3P%D` <dbl>, `ADJ T.` <dbl>, G <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(sweet_sixteen_model, `2023marchmadness`)
```