

Describe PF Debate

Jeff Ramdass

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R Markdown

```
library(psych)
library(dplyr)

library(ggplot2)

library(RColorBrewer)

library(readxl)
PF2020 <- read_excel("~/Debate California/2020 Jack Howe/Public Forum Survey
and Results/Public Forum for 2020 Jack Howe Tournament.xlsx")
table(PF2020$Role)

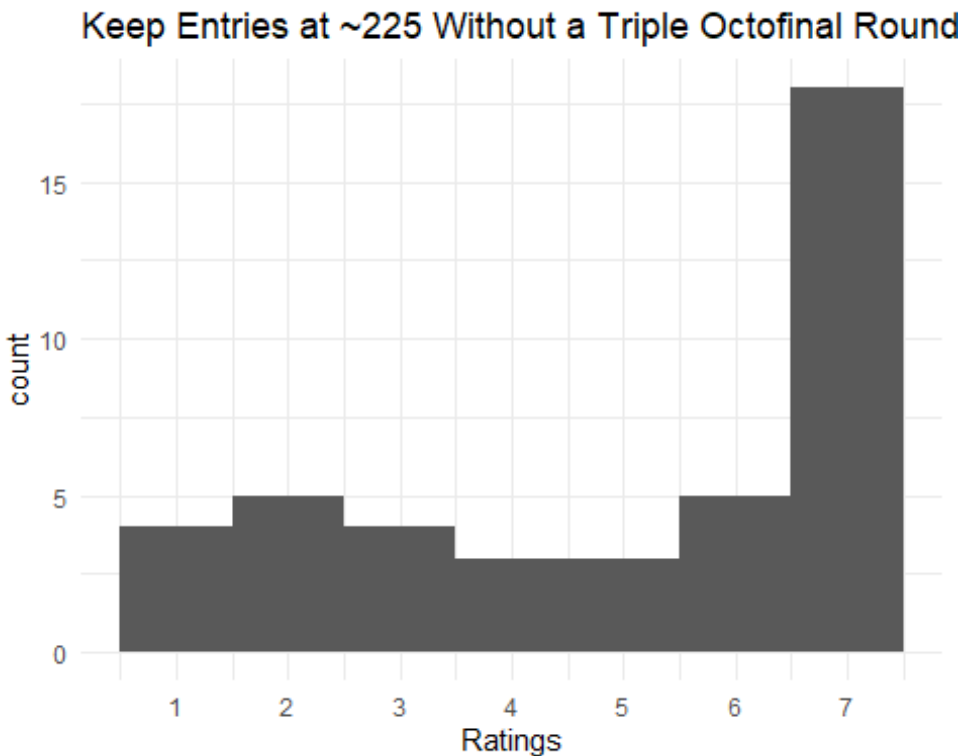
##
##           I am a coach.           I am a judge.
##                28                2
## I am a student competitor.
##                12
```

```
describe(PF2020$OptionStatQuo) #Option 1
```

```
##      vars  n mean   sd median trimmed  mad min max range  skew kurtosis   se  
## X1     1 42 4.98 2.24     6    5.21 1.48   1  7    6 -0.56   -1.32 0.35
```

```
Opt1Plot <- ggplot(data = PF2020, aes(OptionStatQuo)) + geom_histogram(data =  
PF2020, binwidth = 1)
```

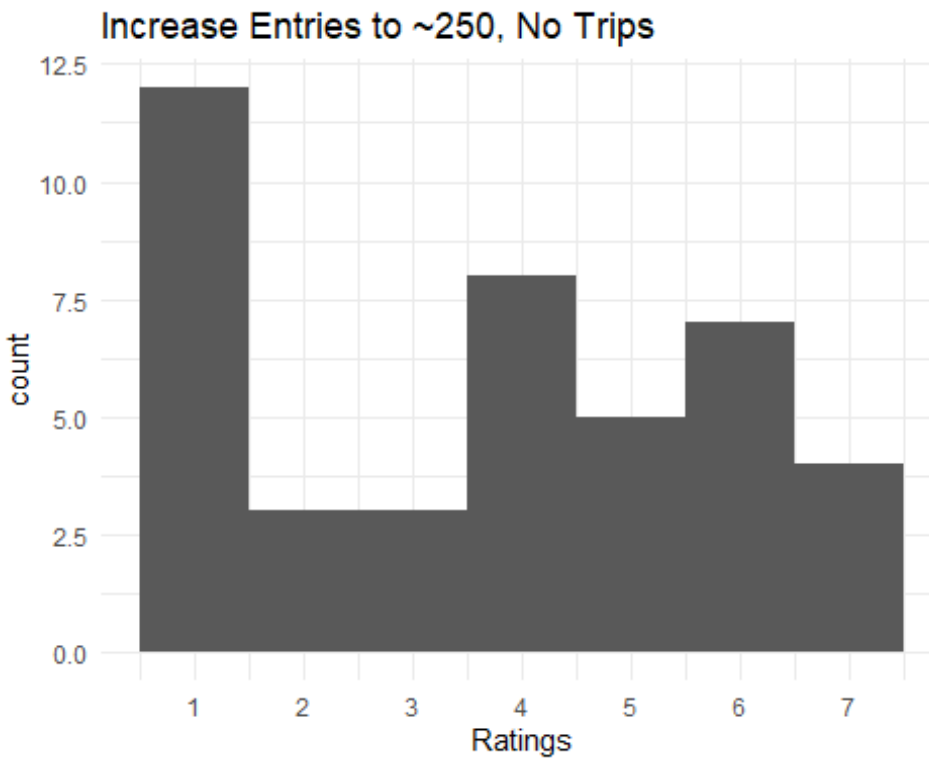
```
Opt1Plot + ggtitle("Keep Entries at ~225 Without a Triple Octofinal Round") +  
scale_x_continuous(name = "Ratings", breaks = c(1:7)) + theme_minimal()
```



```
describe(PF2020$OptionIncreaseNoTrips) #Option 2

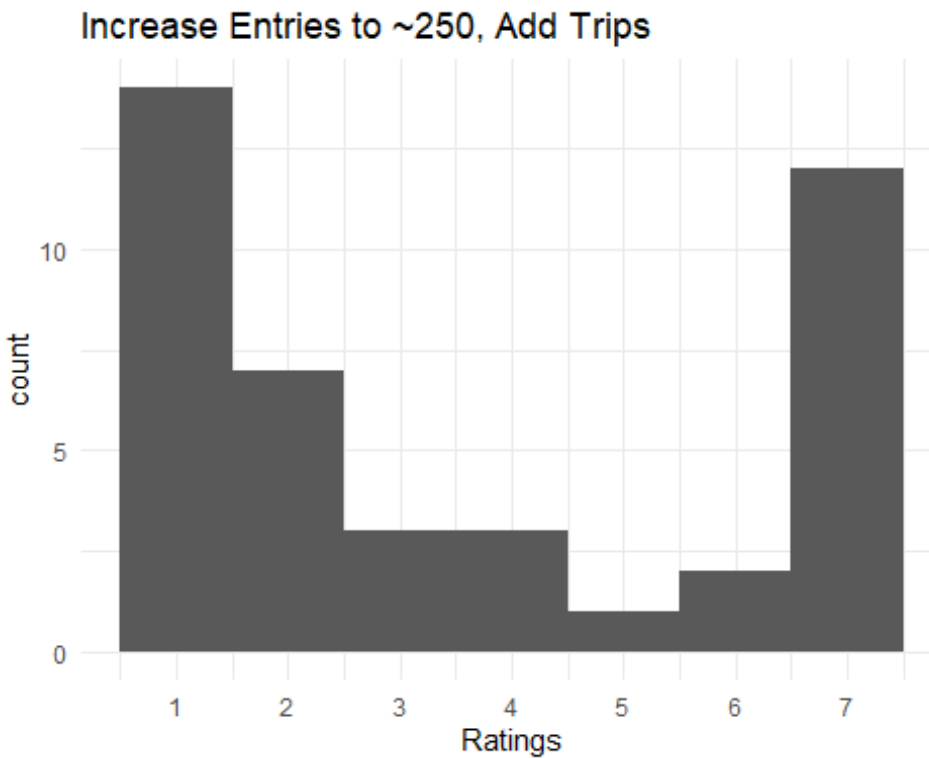
##      vars  n mean   sd median trimmed  mad min max range skew kurtosis   se
## X1      1 42 3.67 2.14      4    3.59 2.97   1  7    6 0.02   -1.46 0.33

Opt2Plot <- ggplot(data = PF2020, aes(OptionIncreaseNoTrips)) +
  geom_histogram(data = PF2020, binwidth = 1)
Opt2Plot + ggtitle("Increase Entries to ~250, No Trips") +
  scale_x_continuous(name = "Ratings", breaks = c(1:7)) + theme_minimal()
```



```
describe(PF2020$OptionIncreaseWithTrips) #Option 3
##      vars  n mean   sd median trimmed  mad min max range skew kurtosis   se
## X1      1 42 3.57 2.55   2.5   3.47 2.22   1  7   6 0.36   -1.65 0.39

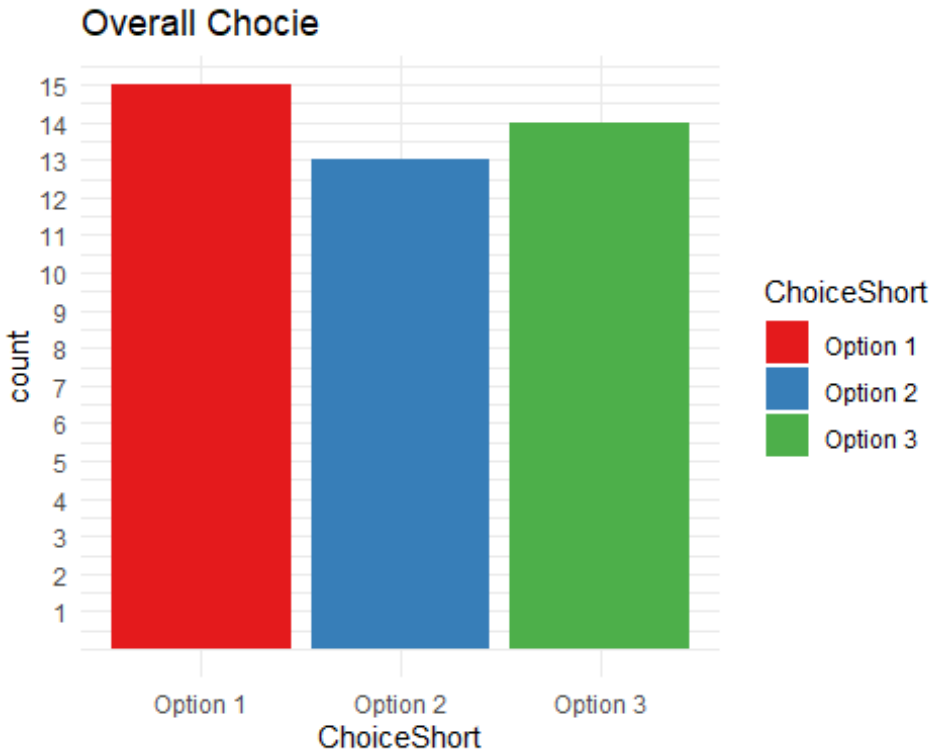
Opt3Plot <- ggplot(data = PF2020, aes(OptionIncreaseWithTrips)) +
  geom_histogram(data = PF2020, binwidth = 1)
Opt3Plot + ggtitle("Increase Entries to ~250, Add Trips") +
  scale_x_continuous(name = "Ratings", breaks = c(1:7)) + theme_minimal()
```



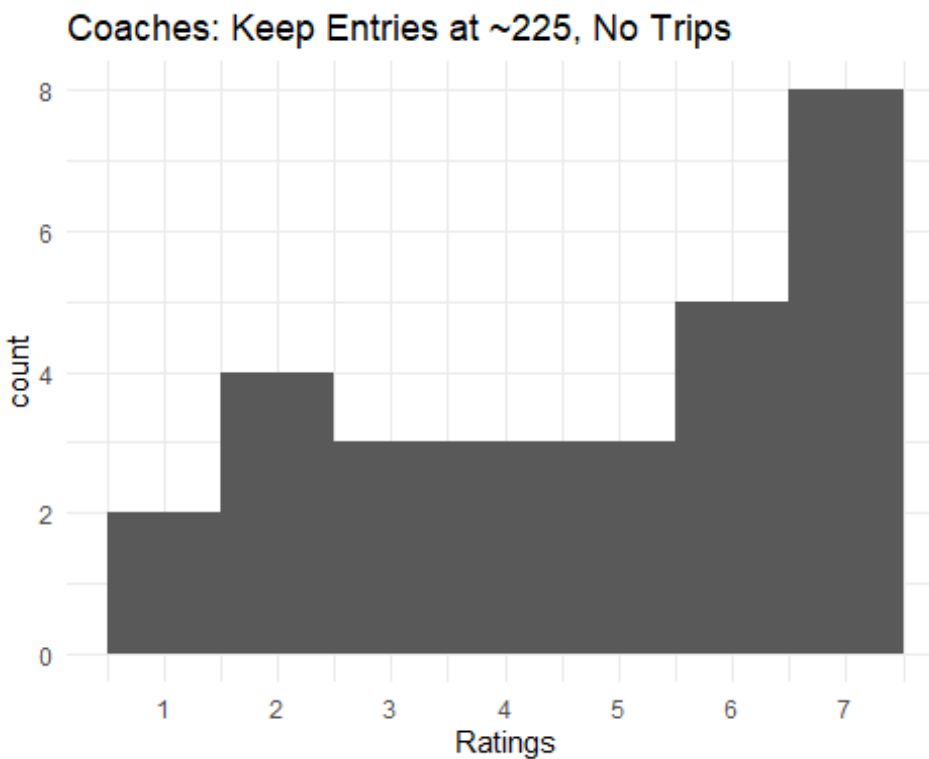
```
table(PF2020$ChoiceShort)

##
## Option 1 Option 2 Option 3
##      15      13      14

OptChoicePlot <- ggplot(PF2020, aes(x = ChoiceShort, fill = ChoiceShort)) +
  geom_bar() + ggtitle("Overall Chocie") + scale_y_continuous(breaks =
c(1:15))
OptChoicePlot + scale_fill_brewer(palette="Set1") + theme_minimal()
```

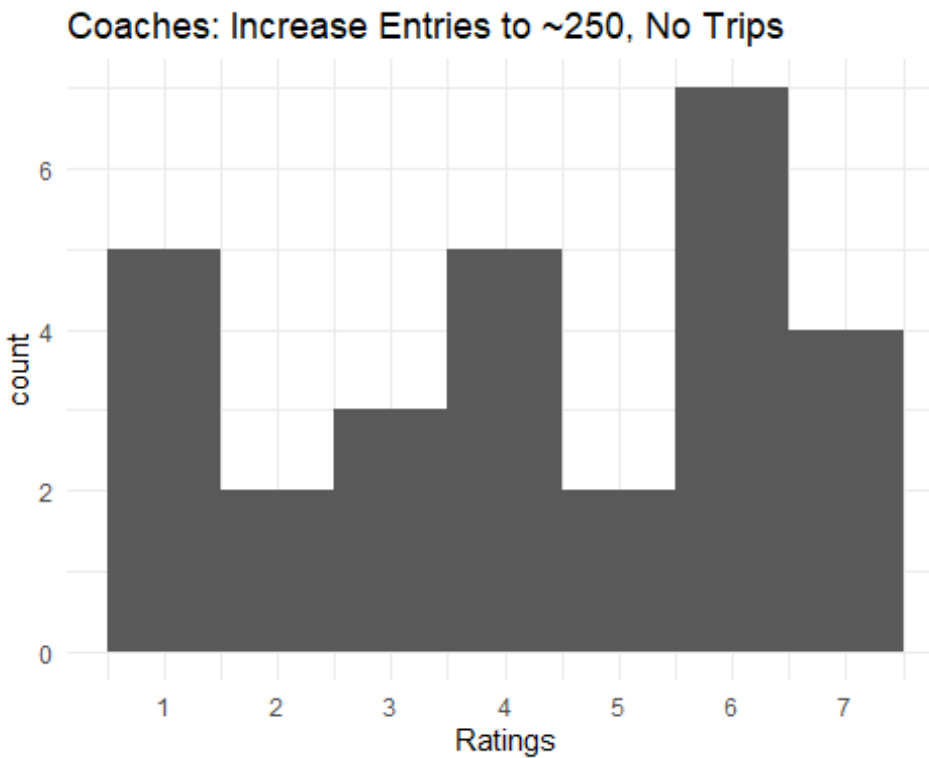


```
PF2020C <- PF2020 %>% filter(Role == "I am a coach.")  
  
describe(PF2020C$OptionStatQuo) #Option 1  
## vars n mean sd median trimmed mad min max range skew kurtosis se  
## X1 1 28 4.71 2.09 5 4.83 2.97 1 7 6 -0.36 -1.39 0.39  
  
Opt1PlotC <- ggplot(data = PF2020C, aes(OptionStatQuo)) + geom_histogram(data  
= PF2020C, binwidth = 1)  
Opt1PlotC + ggtitle("Coaches: Keep Entries at ~225, No Trips") +  
scale_x_continuous(name = "Ratings", breaks = c(1:7)) + theme_minimal()
```



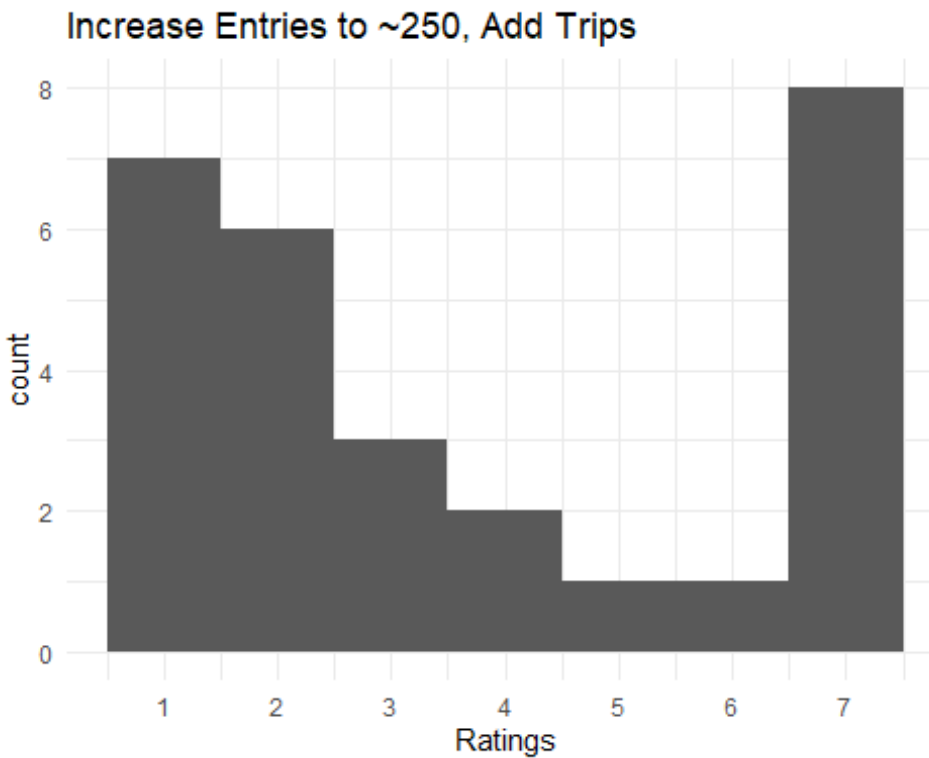
```
describe(PF2020C$OptionIncreaseNoTrips) #Option 2
##      vars  n mean   sd median trimmed  mad min max range  skew kurtosis  se
## X1      1 28 4.21 2.11      4    4.25 2.97  1  7    6 -0.25   -1.39 0.4

Opt2PlotC <- ggplot(data = PF2020C, aes(OptionIncreaseNoTrips)) +
  geom_histogram(data = PF2020C, binwidth = 1)
Opt2PlotC + ggtitle("Coaches: Increase Entries to ~250, No Trips") +
  scale_x_continuous(name = "Ratings", breaks = c(1:7)) + theme_minimal()
```



```
describe(PF2020C$OptionIncreaseWithTrips) #Option 3
##      vars  n mean   sd median trimmed  mad min max range skew kurtosis   se
## X1      1 28 3.68 2.47      3    3.62 2.97   1  7    6 0.34   -1.63 0.47

Opt3PlotC <- ggplot(data = PF2020C, aes(OptionIncreaseWithTrips)) +
  geom_histogram(data = PF2020C, binwidth = 1)
Opt3PlotC + ggtitle("Increase Entries to ~250, Add Trips") +
  scale_x_continuous(name = "Ratings", breaks = c(1:7)) + theme_minimal()
```




```
table(PF2020C$ChoiceShort)
```

```
##
```

```
## Option 1 Option 2 Option 3
```

```
##          5         13         10
```

```
OptChoicePlotC <- ggplot(PF2020C, aes(x = ChoiceShort, fill = ChoiceShort)) +  
  geom_bar() + ggtitle("Overall Chocie for Coaches Only") +  
  scale_y_continuous(breaks = c(1:15))  
OptChoicePlotC + scale_fill_brewer(palette="Set1") + theme_minimal()
```

