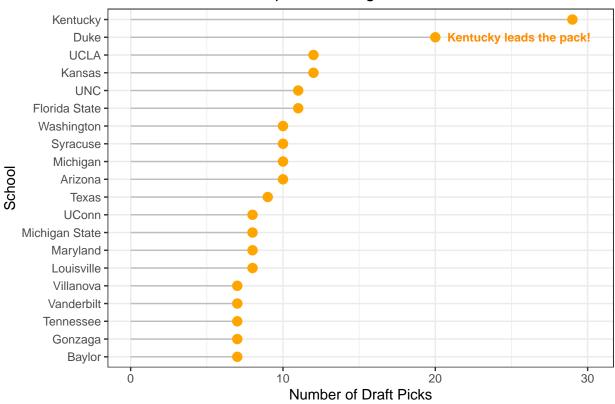
Base Visuals

Austin Eaton

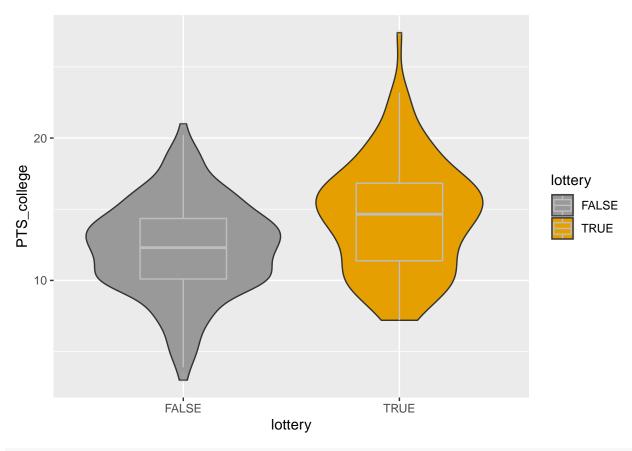
4/17/2022

```
# import libraries
library(tidyverse)
library(plyr)
library(GGally)
# import file
df <- read_csv('../NBAdraft.csv')</pre>
names(df)[9] <- "FG_college_perc"</pre>
names(df)[12] <- "2P_perc"
names(df)[15] <- "3P_perc"</pre>
names(df)[18] <- "FT_perc"</pre>
## Top Schools ----
count(df,'School') %>%
  arrange(freq) %>%
  tail(n=20) \%
  mutate(School=factor(School, levels=School)) %>%
  ggplot( aes(x=School, y=freq)) +
  geom_segment(
    aes(x=School, xend=School, y=0, yend=freq),
    color='grey',
    # color=ifelse(School == c("Kentucky"), "orange", "grey"),
    # size=ifelse(School %in% c("Kentucky"), 1.3, 0.7)
  geom_point(size = 3, color='orange') +
  coord_flip() +
  theme_bw() +
  xlab("School") +
  ylab("Number of Draft Picks") +
  ggtitle("Where are most draft picks coming from?") +
  annotate("text", x="Duke", y=29+1.2,
           label="Kentucky leads the pack!",
           color='darkorange', size=3 , angle=0, fontface="bold", hjust=1)
```

Where are most draft picks coming from?



```
## BOX PLOTS ----
ggplot(df, aes(x=lottery, y=PTS_college, fill=lottery)) +
  geom_violin() +
  geom_boxplot(width=0.4,color="grey", alpha=0.2) +
  scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9"))
```



theme_bw()

```
## List of 93
## $ line
                                :List of 6
    ..$ colour
                      : chr "black"
##
     ..$ size
                      : num 0.5
##
     ..$ linetype
                     : num 1
                     : chr "butt"
##
     ..$ lineend
##
                     : logi FALSE
     ..$ arrow
     ..$ inherit.blank: logi TRUE
##
     ..- attr(*, "class")= chr [1:2] "element_line" "element"
##
    $ rect
                                :List of 5
    ..$ fill
                     : chr "white"
##
##
     ..$ colour
                     : chr "black"
                     : num 0.5
##
     ..$ size
     ..$ linetype
##
                     : num 1
##
     ..$ inherit.blank: logi TRUE
     ..- attr(*, "class")= chr [1:2] "element_rect" "element"
##
##
    $ text
                                :List of 11
                     : chr ""
##
    ..$ family
##
     ..$ face
                     : chr "plain"
                     : chr "black"
##
     ..$ colour
##
                     : num 11
     ..$ size
##
     ..$ hjust
                     : num 0.5
                     : num 0.5
##
     ..$ vjust
                     : num 0
     ..$ angle
##
```

```
##
    ..$ lineheight : num 0.9
##
    ..$ margin : 'margin' num [1:4] Opoints Opoints Opoints
    .. ..- attr(*, "unit")= int 8
##
##
                : logi FALSE
    ..$ debug
##
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ title
                            : NULL
## $ aspect.ratio
                            : NULL
                            : NULL
## $ axis.title
## $ axis.title.x
                            :List of 11
   ..$ family : NULL
##
    ..$ face
                  : NULL
   ..$ colour
                  : NULL
##
##
    ..$ size
                  : NULL
##
    ..$ hjust
                  : NULL
##
    ..$ vjust
                   : num 1
##
    ..$ angle
                  : NULL
##
    ..$ lineheight : NULL
                  : 'margin' num [1:4] 2.75points Opoints Opoints
##
    ..$ margin
    .. ..- attr(*, "unit")= int 8
##
##
    ..$ debug
                   : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
##
   $ axis.title.x.top
                            :List of 11
##
   ..$ family : NULL
                  : NULL
##
    ..$ face
                  : NULL
##
    ..$ colour
##
    ..$ size
                  : NULL
##
    ..$ hjust
                  : NULL
##
    ..$ vjust
                  : num 0
                  : NULL
##
    ..$ angle
##
    ..$ lineheight : NULL
##
    ..$ margin : 'margin' num [1:4] Opoints Opoints 2.75points Opoints
    .. ..- attr(*, "unit")= int 8
##
##
    ..$ debug
                   : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element text" "element"
## $ axis.title.x.bottom
                            : NULL
## $ axis.title.y
                             :List of 11
   ..$ family : NULL
##
##
    ..$ face
                  : NULL
                  : NULL
##
    ..$ colour
##
    ..$ size
                  : NULL
##
    ..$ hjust
                  : NULL
##
    ..$ vjust
                   : num 1
##
                  : num 90
    ..$ angle
##
    ..$ lineheight : NULL
##
    ..$ margin : 'margin' num [1:4] Opoints 2.75points Opoints Opoints
    .. ..- attr(*, "unit")= int 8
##
                   : NULL
    ..$ debug
##
    ..$ inherit.blank: logi TRUE
   ..- attr(*, "class")= chr [1:2] "element text" "element"
## $ axis.title.y.left
                        : NULL
## $ axis.title.y.right
                            :List of 11
```

```
##
    ..$ family
                 : NULL
                   : NULL
##
    ..$ face
    ..$ colour
                   : NULL
##
##
    ..$ size
                   : NULL
##
    ..$ hjust
                   : NULL
##
    ..$ vjust
                   : num 0
##
    ..$ angle
                   : num -90
    ..$ lineheight : NULL
##
##
    ..$ margin
                  : 'margin' num [1:4] Opoints Opoints Opoints 2.75points
    .. ..- attr(*, "unit")= int 8
##
##
    ..$ debug
                   : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text
                              :List of 11
##
    ..$ family
                  : NULL
##
    ..$ face
                    : NULL
##
    ..$ colour
                   : chr "grey30"
                   : 'rel' num 0.8
##
    ..$ size
##
    ..$ hjust
                   : NULL
                   : NULL
##
    ..$ vjust
                   : NULL
##
    ..$ angle
##
    ..$ lineheight : NULL
##
    ..$ margin
                   : NULL
##
    ..$ debug
                    : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text.x
                             :List of 11
##
   ..$ family : NULL
##
   ..$ face
                   : NULL
                   : NULL
##
    ..$ colour
##
    ..$ size
                   : NULL
                   : NULL
##
    ..$ hjust
##
    ..$ vjust
                   : num 1
##
    ..$ angle
                   : NULL
    ..$ lineheight : NULL
##
                   : 'margin' num [1:4] 2.2points Opoints Opoints
##
    ..$ margin
    .. ..- attr(*, "unit")= int 8
##
##
    ..$ debug
                    : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
## $ axis.text.x.top :List of 11
    ..$ family : NULL
##
##
    ..$ face
                   : NULL
##
    ..$ colour
                   : NULL
##
    ..$ size
                   : NULL
##
                   : NULL
    ..$ hjust
                   : num 0
##
    ..$ vjust
##
    ..$ angle
                   : NULL
    ..$ lineheight : NULL
##
                   : 'margin' num [1:4] Opoints Opoints 2.2points Opoints
    ..$ margin
##
    .. ..- attr(*, "unit")= int 8
##
    ..$ debug
                    : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
```

```
## $ axis.text.x.bottom : NULL
## $ axis.text.y
                            :List of 11
    ..$ family
                   : NULL
##
##
    ..$ face
                   : NULL
##
    ..$ colour
                   : NULL
##
    ..$ size
                   : NULL
##
    ..$ hjust
                   : num 1
                   : NULL
##
    ..$ vjust
    ..$ angle
##
                    : NULL
##
    ..$ lineheight : NULL
    ..$ margin
                  : 'margin' num [1:4] Opoints 2.2points Opoints Opoints
##
    .. ..- attr(*, "unit")= int 8
                   : NULL
    ..$ debug
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
                           : NULL
##
   $ axis.text.y.left
## $ axis.text.y.right
                            :List of 11
##
    ..$ family : NULL
##
    ..$ face
                   : NULL
    ..$ colour
                   : NULL
##
                   : NULL
##
    ..$ size
##
    ..$ hjust
                   : num 0
                   : NULL
##
    ..$ vjust
##
    ..$ angle
                   : NULL
##
    ..$ lineheight : NULL
    ..$ margin : 'margin' num [1:4] Opoints Opoints Opoints 2.2points
    .. ..- attr(*, "unit")= int 8
##
                    : NULL
##
    ..$ debug
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
   $ axis.ticks
                              :List of 6
    ..$ colour
##
                  : chr "grey20"
##
    ..$ size
                   : NULL
##
    ..$ linetype
                   : NULL
                   : NULL
##
    ..$ lineend
##
    ..$ arrow
                   : logi FALSE
##
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_line" "element"
## $ axis.ticks.x
## $ axis.ticks.x.top
                             : NULL
                            : NULL
## $ axis.ticks.x.bottom
                            : NULL
## $ axis.ticks.y
                             : NULL
## $ axis.ticks.y.left
                            : NULL
## $ axis.ticks.y.right
                            : NULL
## $ axis.ticks.length
                          : 'simpleUnit' num 2.75points
   ..- attr(*, "unit")= int 8
##
## $ axis.ticks.length.x
                          : NULL
## $ axis.ticks.length.x.top : NULL
## $ axis.ticks.length.x.bottom: NULL
## $ axis.ticks.length.y
                            : NULL
## $ axis.ticks.length.y.left : NULL
## $ axis.ticks.length.y.right : NULL
## $ axis.line
                             : list()
## ..- attr(*, "class")= chr [1:2] "element_blank" "element"
```

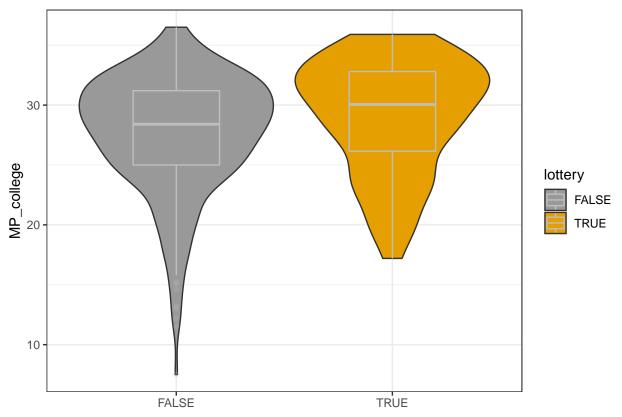
```
## $ axis.line.x
                             : NULL
## $ axis.line.x.top
                             : NULL
## $ axis.line.x.bottom
                             : NULL
## $ axis.line.y
                             : NULL
## $ axis.line.y.left
                             : NULL
## $ axis.line.y.right
                            : NULL
## $ legend.background
                             :List of 5
    ..$ fill
               : NULL
##
##
    ..$ colour
                   : logi NA
                   : NULL
##
    ..$ size
##
    ..$ linetype
                   : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ legend.margin
                             : 'margin' num [1:4] 5.5points 5.5points 5.5points
##
   ..- attr(*, "unit")= int 8
                              : 'simpleUnit' num 11points
##
   $ legend.spacing
##
   ..- attr(*, "unit")= int 8
## $ legend.spacing.x
                             : NULL
## $ legend.spacing.y
                             : NULL
## $ legend.key
                             :List of 5
                   : chr "white"
##
    ..$ fill
##
   ..$ colour
                   : logi NA
##
    ..$ size
                    : NULL
                   : NULL
##
    ..$ linetype
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ legend.key.size
                             : 'simpleUnit' num 1.2lines
    ..- attr(*, "unit")= int 3
## $ legend.key.height
                             : NULL
## $ legend.key.width
                             : NULL
## $ legend.text
                              :List of 11
##
    ..$ family
                   : NULL
##
    ..$ face
                   : NULL
##
    ..$ colour
                   : NULL
                    : 'rel' num 0.8
##
    ..$ size
##
    ..$ hjust
                   : NULL
##
    ..$ vjust
                   : NULL
##
    ..$ angle
                   : NULL
                   : NULL
##
    ..$ lineheight
                  : NULL
##
    ..$ margin
##
    ..$ debug
                   : NULL
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
## $ legend.text.align
                             : NULL
   $ legend.title
                              :List of 11
##
    ..$ family
                    : NULL
##
    ..$ face
                   : NULL
##
    ..$ colour
                   : NULL
##
    ..$ size
                   : NULL
##
                    : num 0
    ..$ hjust
                   : NULL
##
    ..$ vjust
##
    ..$ angle
                   : NULL
##
    ..$ lineheight : NULL
##
    ..$ margin
                    : NULL
```

```
##
    ..$ debug
                : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
## $ legend.title.align
                         : NULL
## $ legend.position
                             : chr "right"
## $ legend.direction
                            : NULL
## $ legend.justification
                            : chr "center"
## $ legend.box
                             : NULL
## $ legend.box.just
                             : NULL
## $ legend.box.margin
                             : 'margin' num [1:4] Ocm Ocm Ocm Ocm
    ..- attr(*, "unit")= int 1
## $ legend.box.background
                            : list()
   ..- attr(*, "class")= chr [1:2] "element_blank" "element"
##
## $ legend.box.spacing
                              : 'simpleUnit' num 11points
##
   ..- attr(*, "unit")= int 8
##
   $ panel.background
                             :List of 5
##
    ..$ fill : chr "white"
##
    ..$ colour
                   : logi NA
##
    ..$ size
                   : NULL
                   : NULL
##
    ..$ linetype
##
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_rect" "element"
                              :List of 5
##
   $ panel.border
    ..$ fill
##
                   : logi NA
                   : chr "grey20"
##
    ..$ colour
##
    ..$ size
                   : NULL
##
    ..$ linetype
                   : NULL
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_rect" "element"
##
                             : 'simpleUnit' num 5.5points
   $ panel.spacing
   ..- attr(*, "unit")= int 8
##
   $ panel.spacing.x
##
                             : NULL
## $ panel.spacing.y
                             : NULL
## $ panel.grid
                             :List of 6
##
    ..$ colour
                  : chr "grey92"
                   : NULL
##
    ..$ size
##
    ..$ linetype
                   : NULL
##
    ..$ lineend
                   : NULL
##
    ..$ arrow
                   : logi FALSE
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element line" "element"
## $ panel.grid.major
                            : NULL
## $ panel.grid.minor
                             :List of 6
##
    ..$ colour : NULL
##
    ..$ size
                   : 'rel' num 0.5
##
    ..$ linetype
                   : NULL
##
    ..$ lineend
                   : NULL
                 : logi FALSE
##
    ..$ arrow
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_line" "element"
##
## $ panel.grid.major.x
                            : NULL
## $ panel.grid.major.y
                             : NULL
## $ panel.grid.minor.x
                            : NULL
## $ panel.grid.minor.y
                             : NULL
```

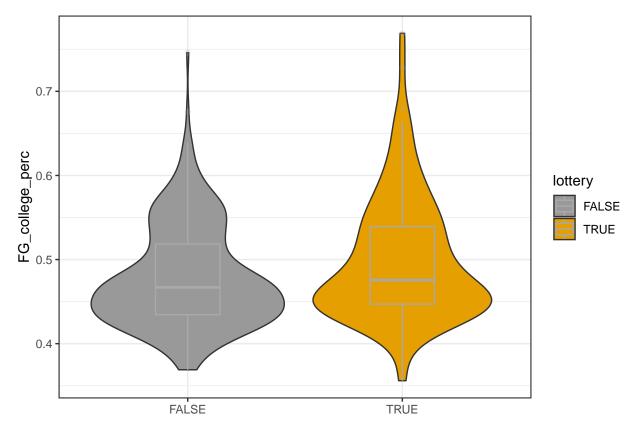
```
$ plot.background
## $ panel.ontop
                             : logi FALSE
##
                             :List of 5
##
    ..$ fill : NULL
##
                   : chr "white"
    ..$ colour
##
    ..$ size
                    : NULL
                   : NULL
##
    ..$ linetype
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_rect" "element"
##
##
   $ plot.title
                              :List of 11
##
    ..$ family
                   : NULL
##
    ..$ face
                    : NULL
                    : NULL
##
    ..$ colour
                   : 'rel' num 1.2
##
    ..$ size
##
    ..$ hjust
                   : num 0
##
    ..$ vjust
                    : num 1
##
    ..$ angle
                    : NULL
##
    ..$ lineheight : NULL
##
                 : 'margin' num [1:4] Opoints Opoints 5.5points Opoints
    .. ..- attr(*, "unit")= int 8
##
##
    ..$ debug
                    : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ plot.title.position
                            : chr "panel"
##
   $ plot.subtitle
                              :List of 11
##
   ..$ family
               : NULL
##
    ..$ face
                   : NULL
##
    ..$ colour
                    : NULL
##
    ..$ size
                    : NULL
##
    ..$ hjust
                   : num 0
##
    ..$ vjust
                   : num 1
##
    ..$ angle
                    : NULL
##
    ..$ lineheight : NULL
##
               : 'margin' num [1:4] Opoints Opoints 5.5points Opoints
    ..$ margin
##
    .. ..- attr(*, "unit")= int 8
##
    ..$ debug
                    : NULL
##
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
   $ plot.caption
                              :List of 11
##
    ..$ family
                    : NULL
    ..$ face
##
                   : NULL
##
    ..$ colour
                   : NULL
                    : 'rel' num 0.8
##
    ..$ size
##
    ..$ hjust
                    : num 1
##
    ..$ vjust
                    : num 1
                    : NULL
##
    ..$ angle
    ..$ lineheight : NULL
##
                   : 'margin' num [1:4] 5.5points Opoints Opoints
##
    ..$ margin
##
    .. ..- attr(*, "unit")= int 8
    ..$ debug
##
                    : NULL
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
## $ plot.caption.position
                             : chr "panel"
## $ plot.tag
                              :List of 11
## ..$ family : NULL
```

```
..$ face
                   : NULL
##
                   : NULL
##
    ..$ colour
    ..$ size
                   : 'rel' num 1.2
##
##
                   : num 0.5
    ..$ hjust
##
    ..$ vjust
                    : num 0.5
##
    ..$ angle
                   : NULL
##
    ..$ lineheight : NULL
                    : NULL
##
    ..$ margin
                    : NULL
##
    ..$ debug
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
   $ plot.tag.position
                             : chr "topleft"
##
## $ plot.margin
                              : 'margin' num [1:4] 5.5points 5.5points 5.5points
    ..- attr(*, "unit")= int 8
##
## $ strip.background
                              :List of 5
    ..$ fill : chr "grey85"
##
##
    ..$ colour
                   : chr "grey20"
                   : NULL
##
    ..$ size
##
    ..$ linetype
                   : NULL
##
    ..$ inherit.blank: logi TRUE
    ..- attr(*, "class")= chr [1:2] "element_rect" "element"
##
## $ strip.background.x : NULL
## $ strip.background.y
                             : NULL
## $ strip.placement
                             : chr "inside"
## $ strip.text
                             :List of 11
##
    ..$ family
                   : NULL
##
    ..$ face
                    : NULL
##
    ..$ colour
                   : chr "grey10"
##
                   : 'rel' num 0.8
    ..$ size
##
                   : NULL
    ..$ hjust
##
    ..$ vjust
                    : NULL
##
    ..$ angle
                   : NULL
##
    ..$ lineheight : NULL
##
                   : 'margin' num [1:4] 4.4points 4.4points 4.4points 4.4points
    ..$ margin
    .. ..- attr(*, "unit")= int 8
##
##
    ..$ debug
                    : NULL
##
    ..$ inherit.blank: logi TRUE
##
    ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
   $ strip.text.x
                             : NULL
## $ strip.text.y
                              :List of 11
##
    ..$ family
                   : NULL
##
    ..$ face
                   : NULL
##
    ..$ colour
                   : NULL
##
    ..$ size
                   : NULL
##
    ..$ hjust
                   : NULL
##
                    : NULL
    ..$ vjust
                    : num -90
##
    ..$ angle
##
    ..$ lineheight
                  : NULL
##
    ..$ margin
                   : NULL
                    : NULL
##
    ..$ debug
##
    ..$ inherit.blank: logi TRUE
   ..- attr(*, "class")= chr [1:2] "element_text" "element"
##
## $ strip.switch.pad.grid : 'simpleUnit' num 2.75points
   ..- attr(*, "unit")= int 8
```

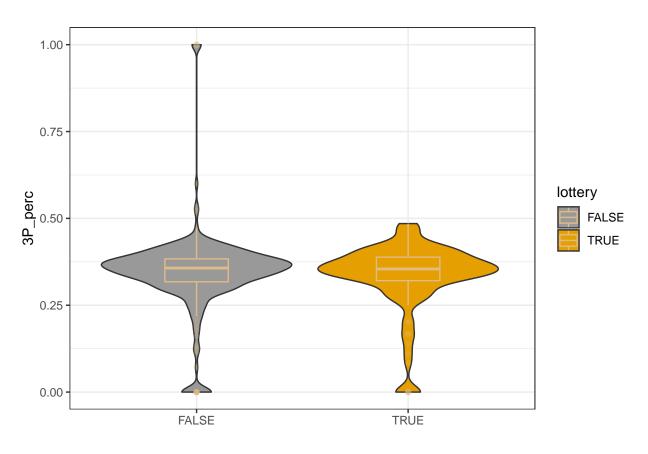
```
$ strip.switch.pad.wrap
                               : 'simpleUnit' num 2.75points
   ..- attr(*, "unit")= int 8
##
   $ strip.text.y.left
                               :List of 11
##
##
    ..$ family
                     : NULL
    ..$ face
                    : NULL
##
                    : NULL
##
    ..$ colour
##
    ..$ size
                    : NULL
    ..$ hjust
                    : NULL
##
##
    ..$ vjust
                     : NULL
                    : num 90
##
    ..$ angle
    ..$ lineheight : NULL
##
    ..$ margin
                     : NULL
                    : NULL
##
    ..$ debug
    ..$ inherit.blank: logi TRUE
##
## ..- attr(*, "class")= chr [1:2] "element_text" "element"
## - attr(*, "class")= chr [1:2] "theme" "gg"
## - attr(*, "complete")= logi TRUE
  - attr(*, "validate")= logi TRUE
ggplot(df, aes(x=lottery, y=MP_college, fill=lottery)) +
 geom_violin() +
 geom_boxplot(width=0.4,color="grey", alpha=0.2) +
 scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9")) +
 theme_bw() +
 xlab("")
```



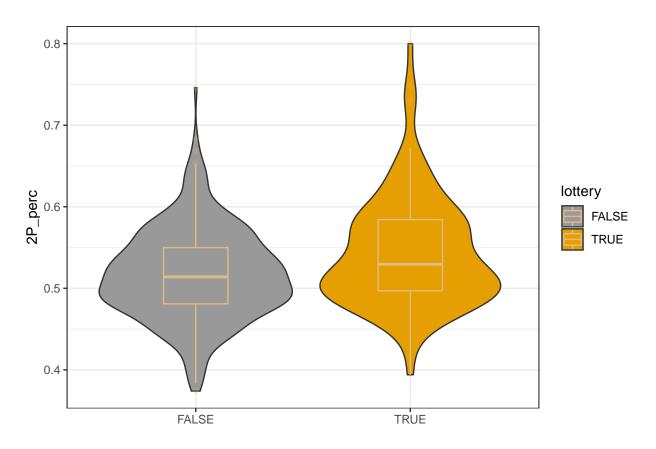
```
ggplot(df, aes(x=lottery, y=FG_college_perc, fill=lottery)) +
  geom_violin() +
  geom_boxplot(width=0.3,color="darkgrey", alpha=0.2) +
  scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9")) +
  theme_bw() +
  xlab("")
```



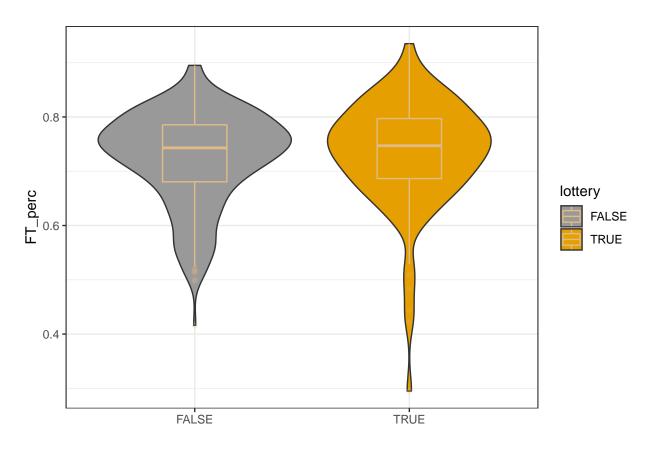
```
ggplot(df, aes(x=lottery, y=`3P_perc`, fill=lottery)) +
  geom_violin() +
  geom_boxplot(width=0.3,color="#dfbb85", alpha=0.2) +
  scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9")) +
  theme_bw() +
  xlab("")
```



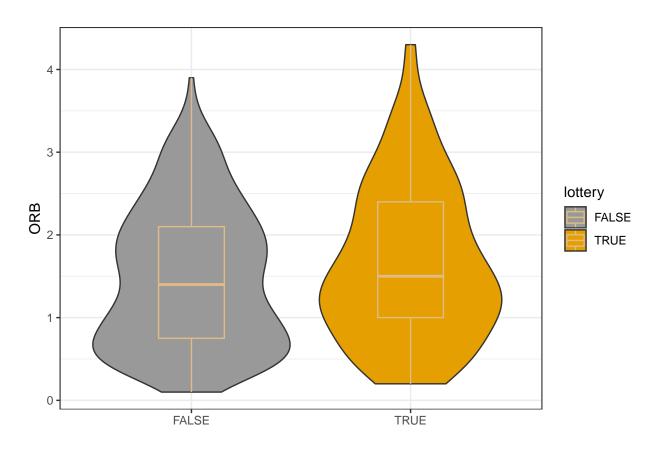
```
ggplot(df, aes(x=lottery, y=`2P_perc`, fill=lottery)) +
  geom_violin() +
  geom_boxplot(width=0.3,color="#dfbb85", alpha=0.2) +
  scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9")) +
  theme_bw() +
  xlab("")
```



```
ggplot(df, aes(x=lottery, y=FT_perc, fill=lottery)) +
  geom_violin() +
  geom_boxplot(width=0.3,color="#dfbb85", alpha=0.2) +
  scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9")) +
  theme_bw() +
  xlab("")
```



```
ggplot(df, aes(x=lottery, y=`ORB`, fill=lottery)) +
  geom_violin() +
  geom_boxplot(width=0.3,color="#dfbb85", alpha=0.2) +
  scale_fill_manual(values=c("#999999", "#E69F00", "#56B4E9")) +
  theme_bw() +
  xlab("")
```



```
## CORRELATION MATRIX ----

df.subset <- df[c('PTS_college',"2P_perc","3P_perc","FT_perc")]
ggcorr(df.subset, method = c("everything", "pearson"))</pre>
```

FT_perc

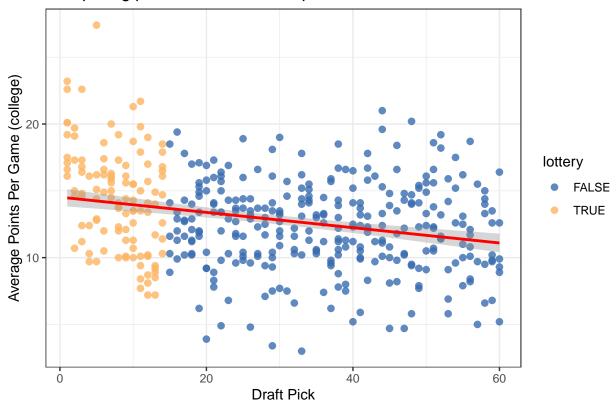


```
# points <- df$PTS_college
# draft.pick <- df$Pk

ggplot(df, aes(x=Pk, y=PTS_college)) +
    geom_point(
        aes(color=lottery),#, shape=lottery),
        size=2,
        alpha=0.8,
) +
    scale_color_manual(
        values = c("#386cb0", "#fdb462", "#7fc97f")
) +
    geom_smooth(method = lm, col='red') + # add linear trend line
    theme_bw() +
    xlab("Draft Pick") +
    ylab("Average Points Per Game (college)") +
    ggtitle("Comparing points scored to draft pick number")</pre>
```

`geom_smooth()` using formula 'y ~ x'

Comparing points scored to draft pick number

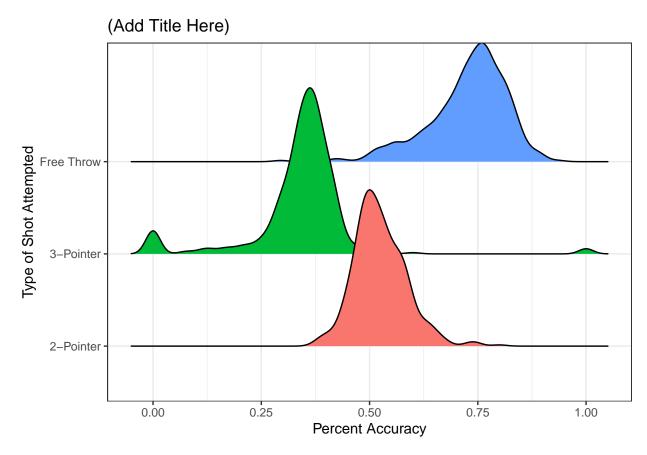


```
df.subset <- df[c('Pk',"2P_perc","3P_perc","FT_perc")]
df.percent <- df.subset %>% pivot_longer(!Pk, names_to = "PointType", values_to = "Percent")

library(ggridges)
ggplot(df.percent, aes(x = Percent, y = PointType, fill = PointType)) +
    geom_density_ridges() +
    theme_bw() +
    scale_y_discrete(labels=c("FT_perc" = "Free Throw", "3P_perc" = "3-Pointer", "2P_perc" = "2-Pointer")
    xlab("Percent Accuracy") +
    ylab("Type of Shot Attempted") +
    ggtitle("(Add Title Here)") +
    theme(legend.position = "none") # remove legend
```

Picking joint bandwidth of 0.0167

Warning: Removed 22 rows containing non-finite values (stat_density_ridges).



 $Top\ variables:\ GS,MP_college,two_P_perc,three_P,FTA,ORB,STL,SOS$