

Visualizations

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```
library(tidyverse)

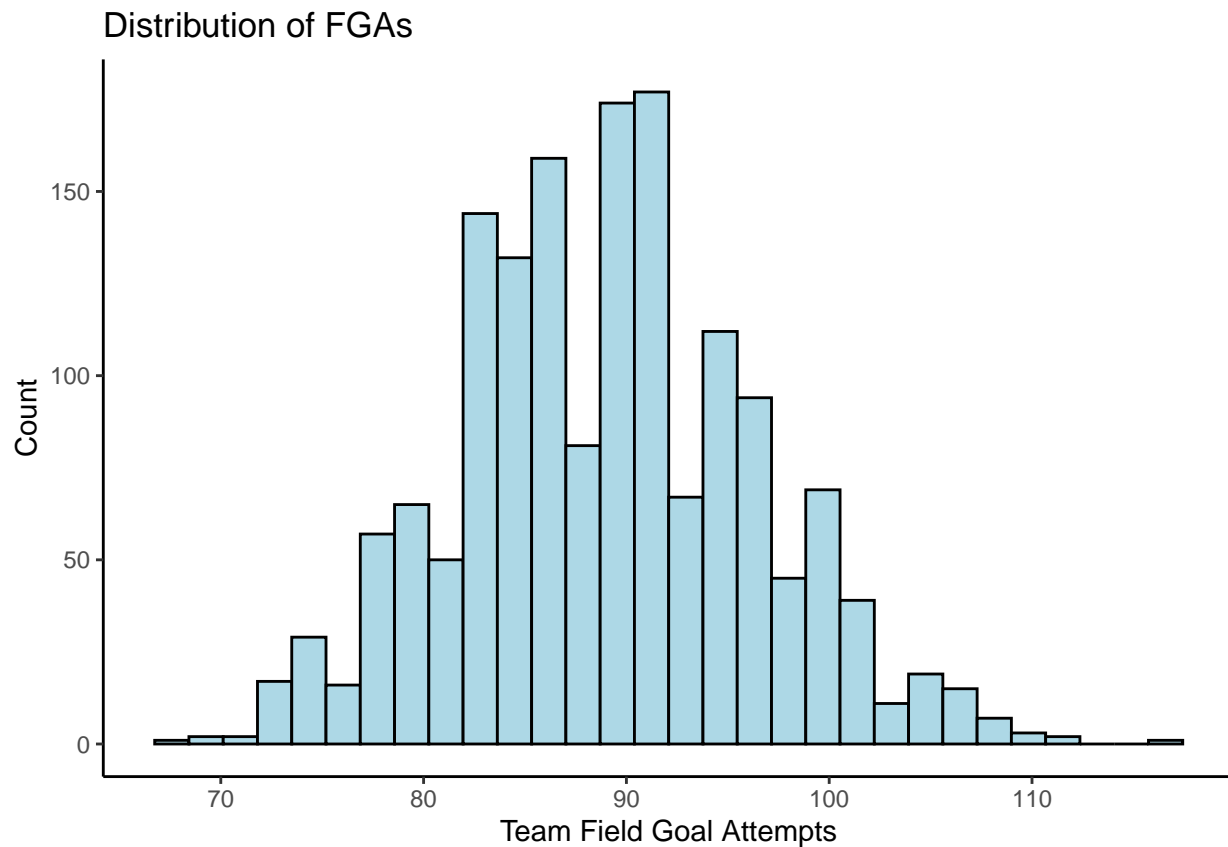
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2    3.5.1      v tibble    3.2.1
## v lubridate  1.9.4      v tidyr     1.3.1
## v purrr      1.0.4
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

visual_data <- readRDS("visual_data.rds")

shots_hist <- ggplot(visual_data, aes(team_fga)) +
  geom_histogram(bins = 30,
                 color = "black",
                 fill = "lightblue") +
  labs(x = "Team Field Goal Attempts",
       y = "Count",
       title = "Distribution of FGAs") +
  theme_classic()

shots_hist

## Warning: Removed 30 rows containing non-finite outside the scale range
## (`stat_bin()`).
```

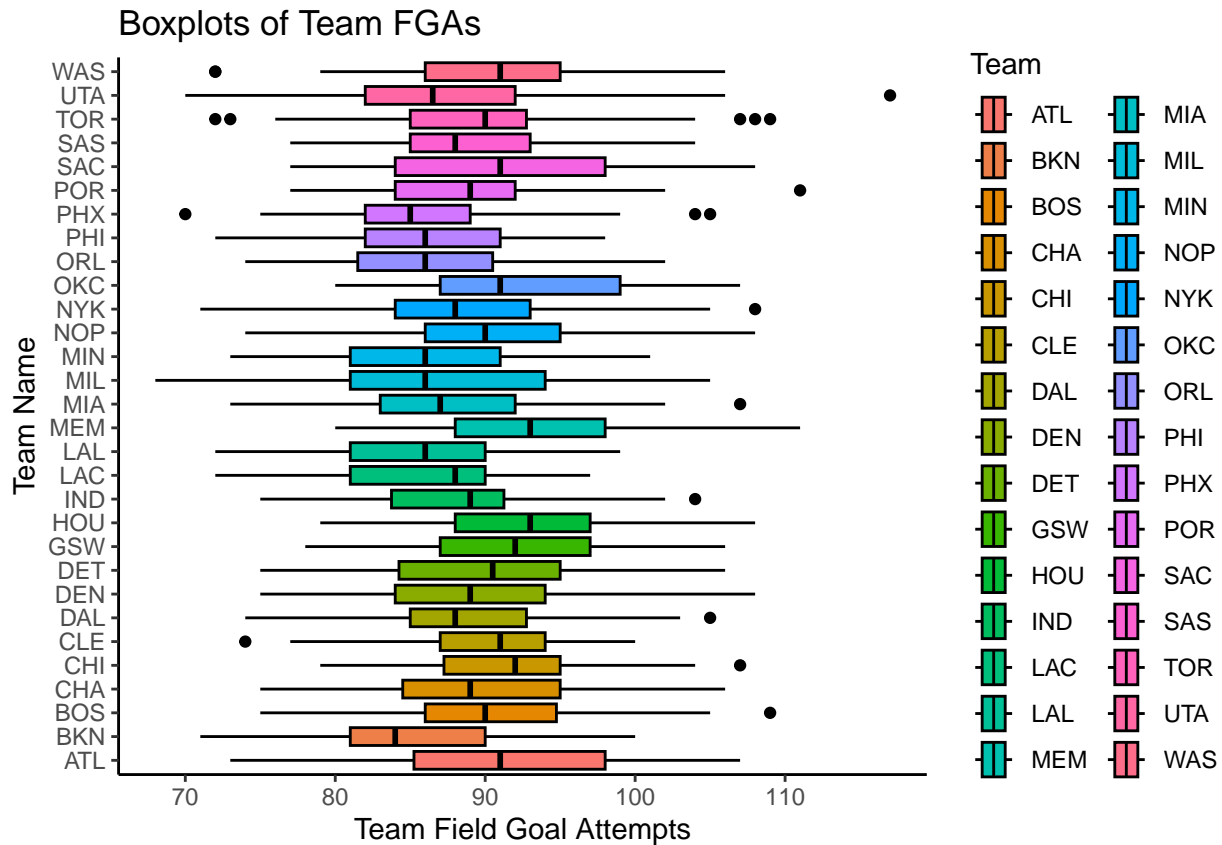


```
team_shots_box <- ggplot(visual_data, aes(x = team_fga,
                                          y = team_display,
                                          fill = as.factor(team_display))) +

  geom_boxplot(color = "black") +
  labs(y = "Team Name",
       x = "Team Field Goal Attempts",
       title = "Boxplots of Team FGAs",
       fill = "Team") +
  theme_classic()

team_shots_box
```

```
## Warning: Removed 30 rows containing non-finite outside the scale range
## (`stat_boxplot()`).
```



```
fgpct_to_pts <- ggplot(visual_data, aes(x = team_efgpct,
                                         y = team_offrating,
                                         color = team_display)) +

  geom_point() +
  labs(x = "Effective Field Goal Percentage",
       y = "Team Offensive Rating",
       title = "3PA vs Offensive Rating",
       color = "Team Name") +
  theme_classic()

fgpct_to_pts
```

```
## Warning: Removed 30 rows containing missing values or values outside the scale range
## (`geom_point()`).
```

