```
> library(tidyverse)
> library(broom)
> library(Lahman)
> Teams_small <- Teams %>%
+     filter(yearID %in% 1961:2001) %>%
+     mutate(avg_attendance = attendance/G)
> fit <- Teams_small %>%
+     mutate(R_per_game = R/G,
+            HR_per_game = HR/G) %>%
+     lm(avg_attendance ~ R_per_game + HR_per_game + W + yearID, data = .)
> tidy(fit)
# A tibble: 5 x 5
  term        estimate std.error statistic  p.value
  <chr>          <dbl>     <dbl>     <dbl>    <dbl>
1 (Intercept) -456674.  21815.     -20.9   3.00e-81
2 R_per_game      322.    331.       0.972 3.31e- 1
3 HR_per_game    1798.    690.       2.61  9.24e- 3
4 W               117.      9.88    11.8   2.79e-30
5 yearID          230.     11.2     20.6   7.10e-79
>
>
>
> predict(fit, data.frame(R_per_game = 5, HR_per_game = 1.2, W = 80, yearID = 2002))
       1
16149.29
> predict(fit, data.frame(R_per_game = 5, HR_per_game = 1.2, W = 80, yearID = 1960))
       1
6504.751
>
>
>
> newdata <- Teams %>%
+     filter(yearID == 2002) %>%
+     mutate(avg_attendance = attendance/G,
+            R_per_game = R/G,
+            HR_per_game = HR/G)
> preds <- predict(fit, newdata)
> cor(preds, newdata$avg_attendance)
[1] 0.5191942
>
```