RPS 2020 Season

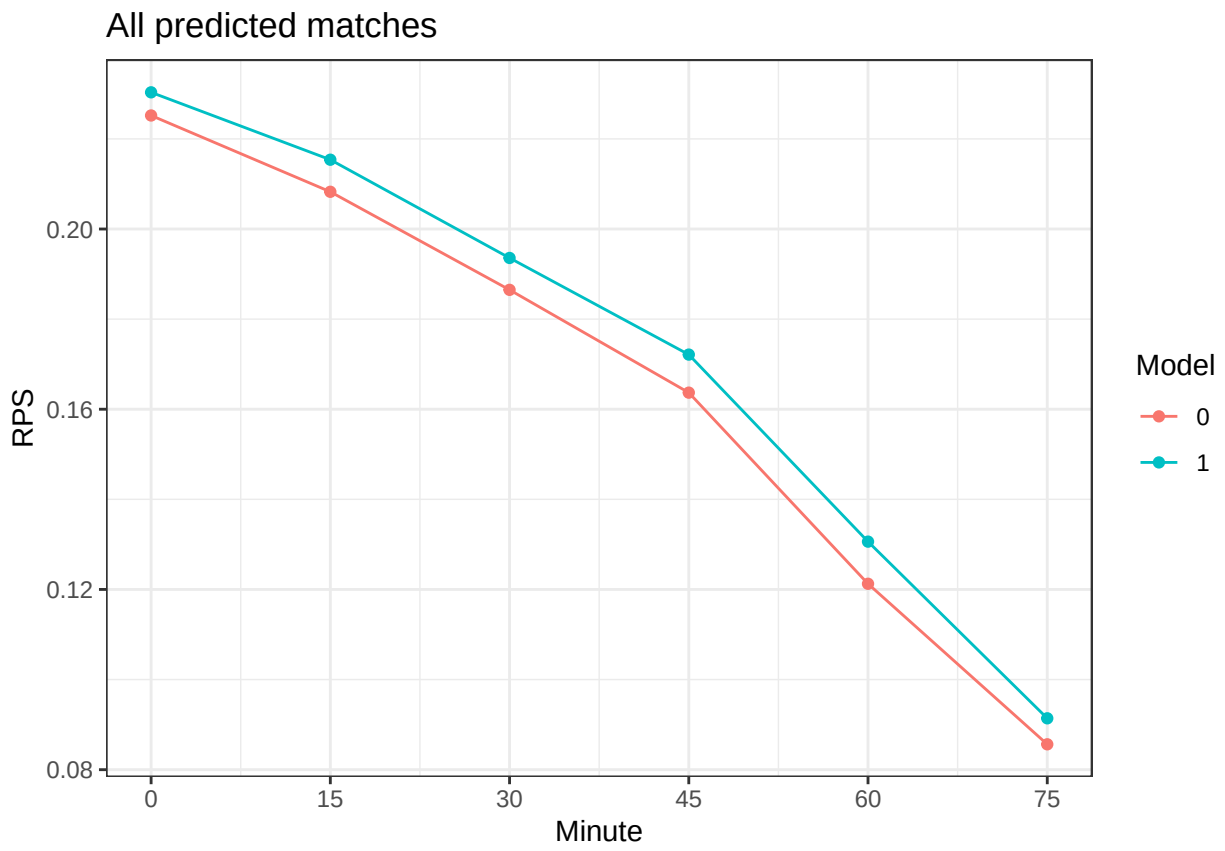
```
library(dplyr)
library(ggplot2)

load("data/HDA.RData")

nrow(HDA)
```

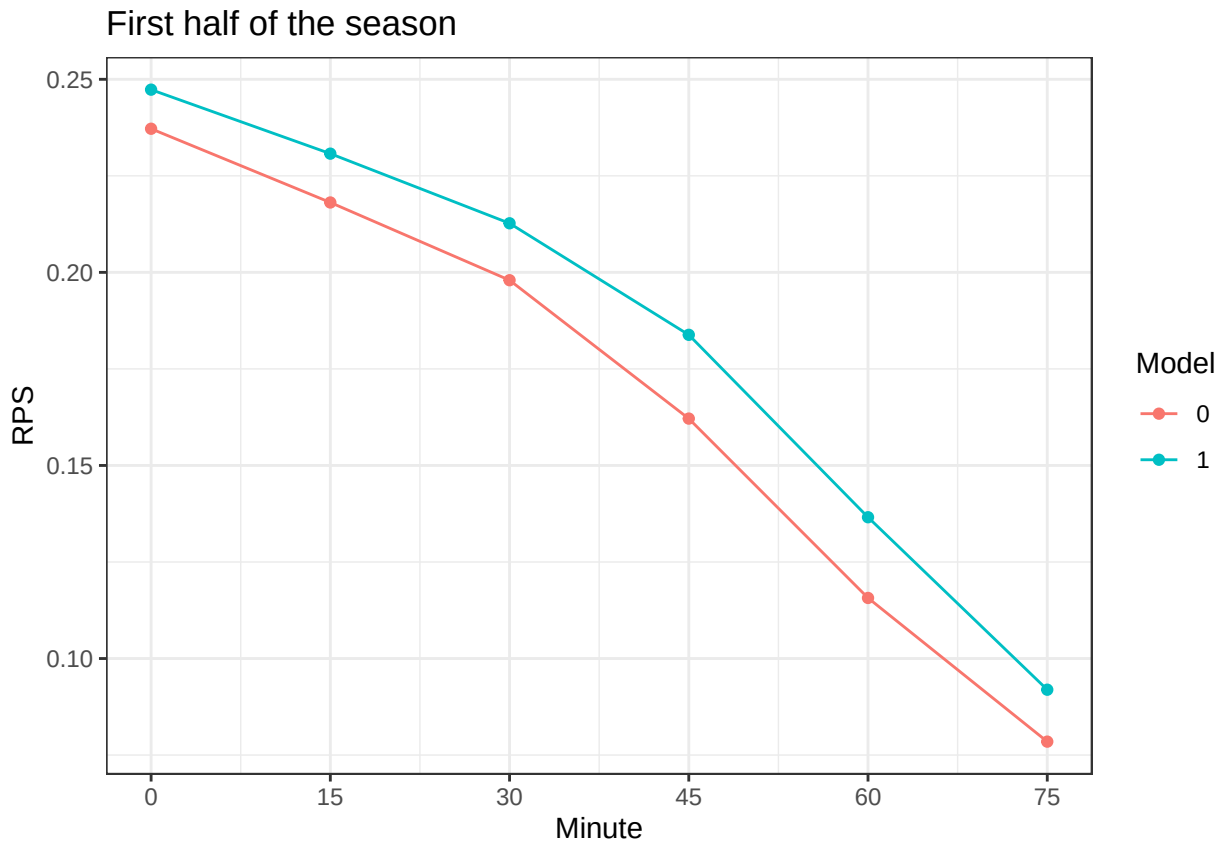
```
## [1] 350
```

```
tibble(RPS = apply(HDA[,-c(1:44)], 2, mean),
       Minute = as.integer(c(0, 15, 30, 45, 60, 75, 0, 15, 30, 45, 60, 75)),
       Model = c(rep("0", 6), rep("1", 6))) %>%
  ggplot(aes(x = Minute, y = RPS, col = Model)) +
  geom_line() +
  geom_point() +
  scale_x_continuous(breaks = c(0, 15, 30, 45, 60, 75)) +
  theme_bw() +
  ggtitle("All predicted matches")
```



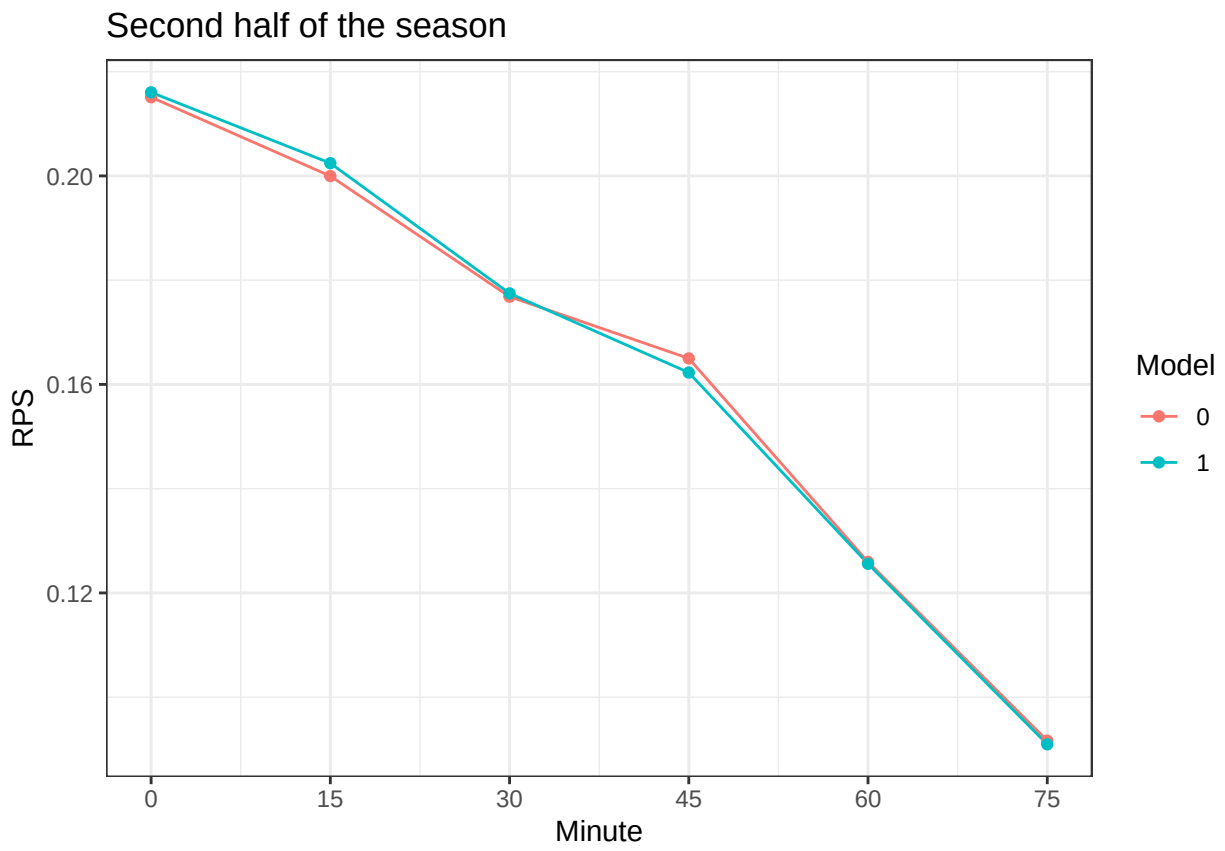
```
HDA2 = HDA %>%
  filter(Match <= 190)

tibble(RPS = apply(HDA2[,-c(1:44)], 2, mean),
       Minute = as.integer(c(0, 15, 30, 45, 60, 75, 0, 15, 30, 45, 60, 75)),
       Model = c(rep("0", 6), rep("1", 6))) %>%
  ggplot(aes(x = Minute, y = RPS, col = Model)) +
  geom_line() +
  geom_point() +
  scale_x_continuous(breaks = c(0, 15, 30, 45, 60, 75)) +
  theme_bw() +
  ggtitle("First half of the season")
```



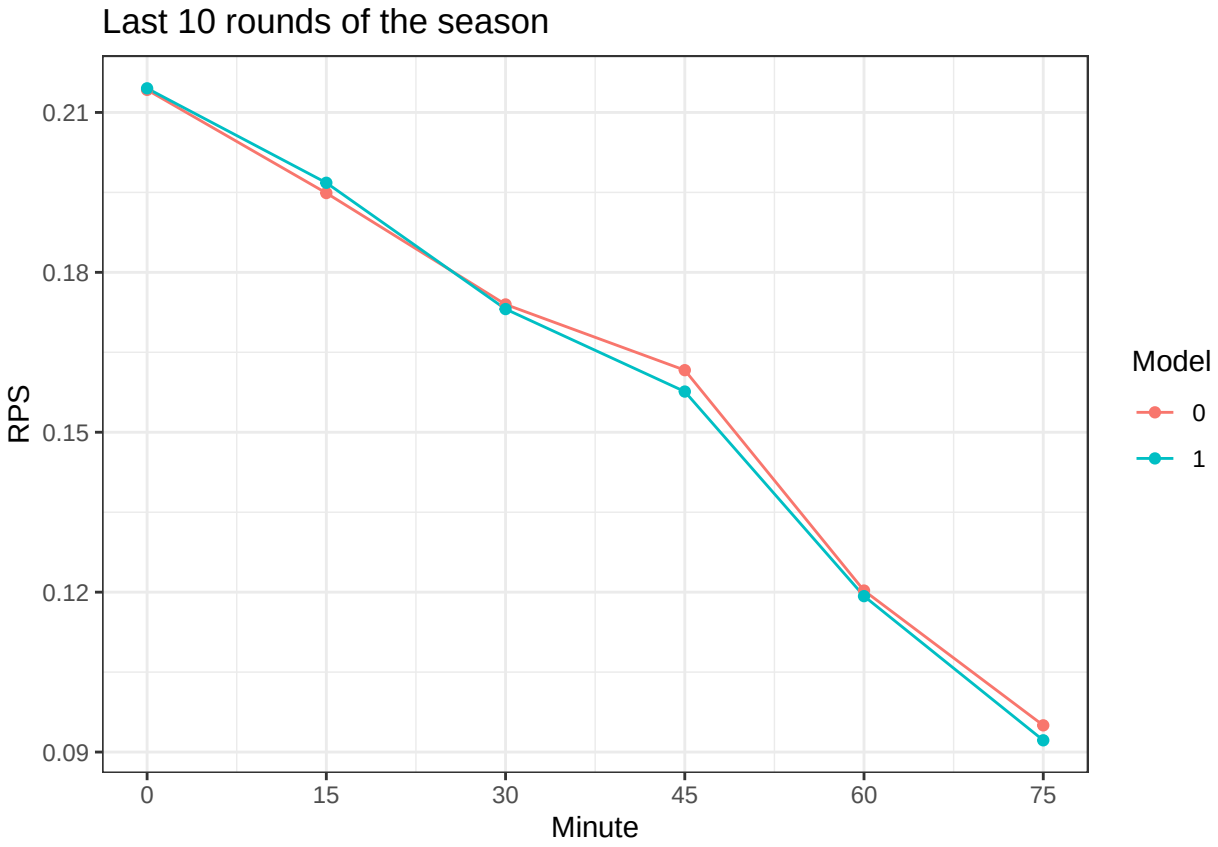

```
HDA3 = HDA %>%
  filter(Match > 190)

tibble(RPS = apply(HDA3[,-c(1:44)], 2, mean),
       Minute = as.integer(c(0, 15, 30, 45, 60, 75, 0, 15, 30, 45, 60, 75)),
       Model = c(rep("0", 6), rep("1", 6))) %>%
  ggplot(aes(x = Minute, y = RPS, col = Model)) +
  geom_line() +
  geom_point() +
  scale_x_continuous(breaks = c(0, 15, 30, 45, 60, 75)) +
  theme_bw() +
  ggtitle("Second half of the season")
```




```
HDA4 = HDA %>%
  filter(Match > 280)

tibble(RPS = apply(HDA4[,-c(1:44)], 2, mean),
       Minute = as.integer(c(0, 15, 30, 45, 60, 75, 0, 15, 30, 45, 60, 75)),
       Model = c(rep("0", 6), rep("1", 6))) %>%
  ggplot(aes(x = Minute, y = RPS, col = Model)) +
  geom_line() +
  geom_point() +
  scale_x_continuous(breaks = c(0, 15, 30, 45, 60, 75)) +
  theme_bw() +
  ggtitle("Last 10 rounds of the season")
```


Last 10 rounds of the season
RPS
0.21
0.18
0.15
0.12
0.09
0
15
30
45
60
75
Minute
Model
0
1