erkoAnalysis

2022-04-04

R Markdown

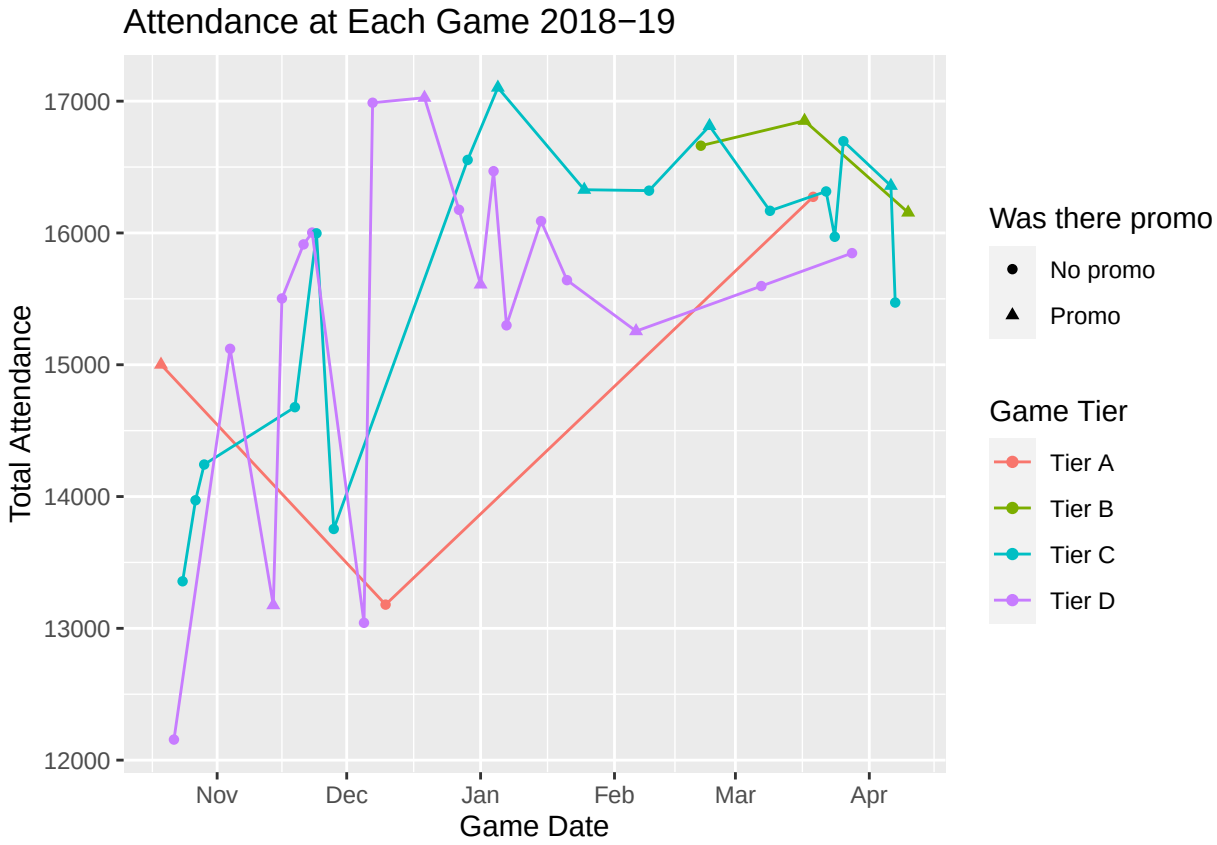
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

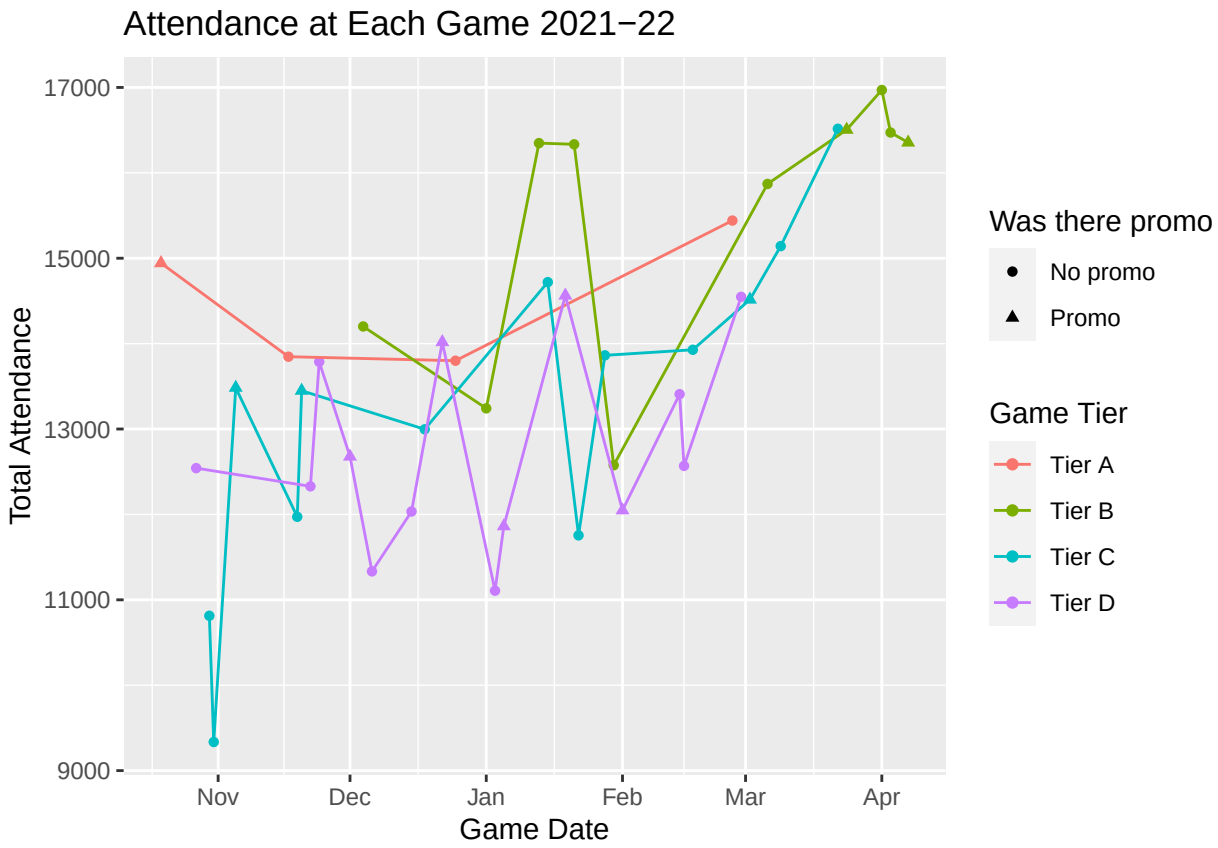
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
att_timeline_18_19 <- season18_19 %>%
  select(Game.Date, Game.Tier, Total.Attendance, Promo) %>%
  mutate(Game.Date = as.Date(Game.Date, "%m/%d/%Y")) %>%
  mutate(if_promo = case_when(Promo == "" ~ "No promo",
                              TRUE ~ "Promo"))
```

```
att_timeline_21_22 <- season21_22 %>%
  select(Game.Date, Game.Tier, Total.Attendance, Promo) %>%
  mutate(Game.Date = as.Date(Game.Date, "%m/%d/%Y")) %>%
  mutate(if_promo = case_when(Promo == "" ~ "No promo",
                              TRUE ~ "Promo"))
```

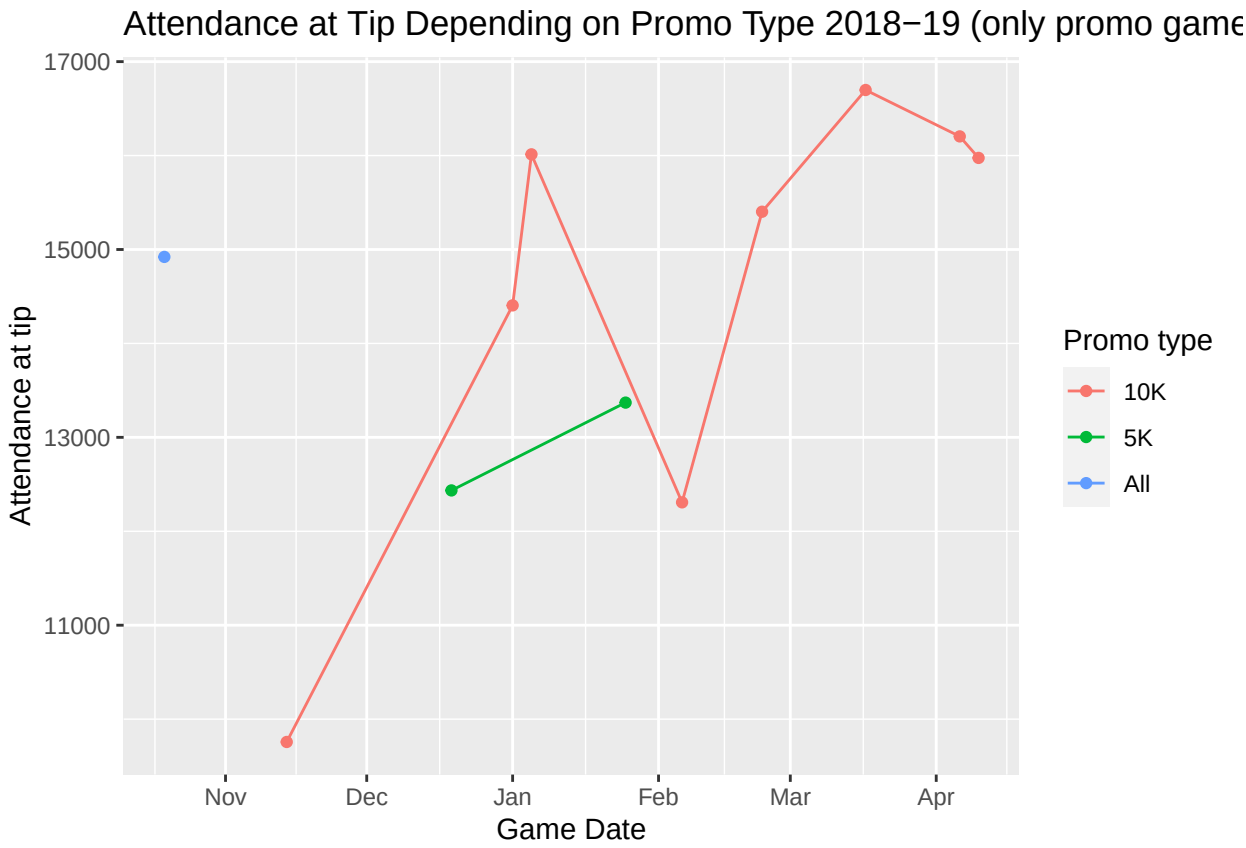
Scatterplot






```
tip_timeline_18_19 <- season18_19 %>%
  select(Game.Date, Attendance.at.tip, Promo, Note) %>%
  mutate(Game.Date = as.Date(Game.Date, "%m/%d/%Y")) %>%
  mutate(if_promo = case_when(Promo == "" ~ "No promo",
                              TRUE ~ "Promo")) %>%
  filter(if_promo == "Promo") %>%
  mutate(type_promo = case_when(str_detect(Note, "5K") ~ "5K",
                                str_detect(Note, "10K") ~ "10K",
                                TRUE ~ "All"))
```

```
ggplot(data = tip_timeline_18_19,
       aes(x = Game.Date, y = Attendance.at.tip, color = type_promo)) +
  geom_point() +
  geom_line() +
  # Add labels
  labs(title = "Attendance at Tip Depending on Promo Type 2018-19 (only promo games)",
       x = "Game Date",
       y = "Attendance at tip",
       color = "Promo type")
```

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  select(Game.Date, Attendance.at.tip, Promo, Note) %>%
  mutate(Game.Date = as.Date(Game.Date, "%m/%d/%Y")) %>%
  mutate(if_promo = case_when(Promo == "" ~ "No promo",
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  mutate(type_promo = case_when(str_detect(Note, "5K") ~ "5K",
                                str_detect(Note, "10K") ~ "10K",
                                TRUE ~ "All"))
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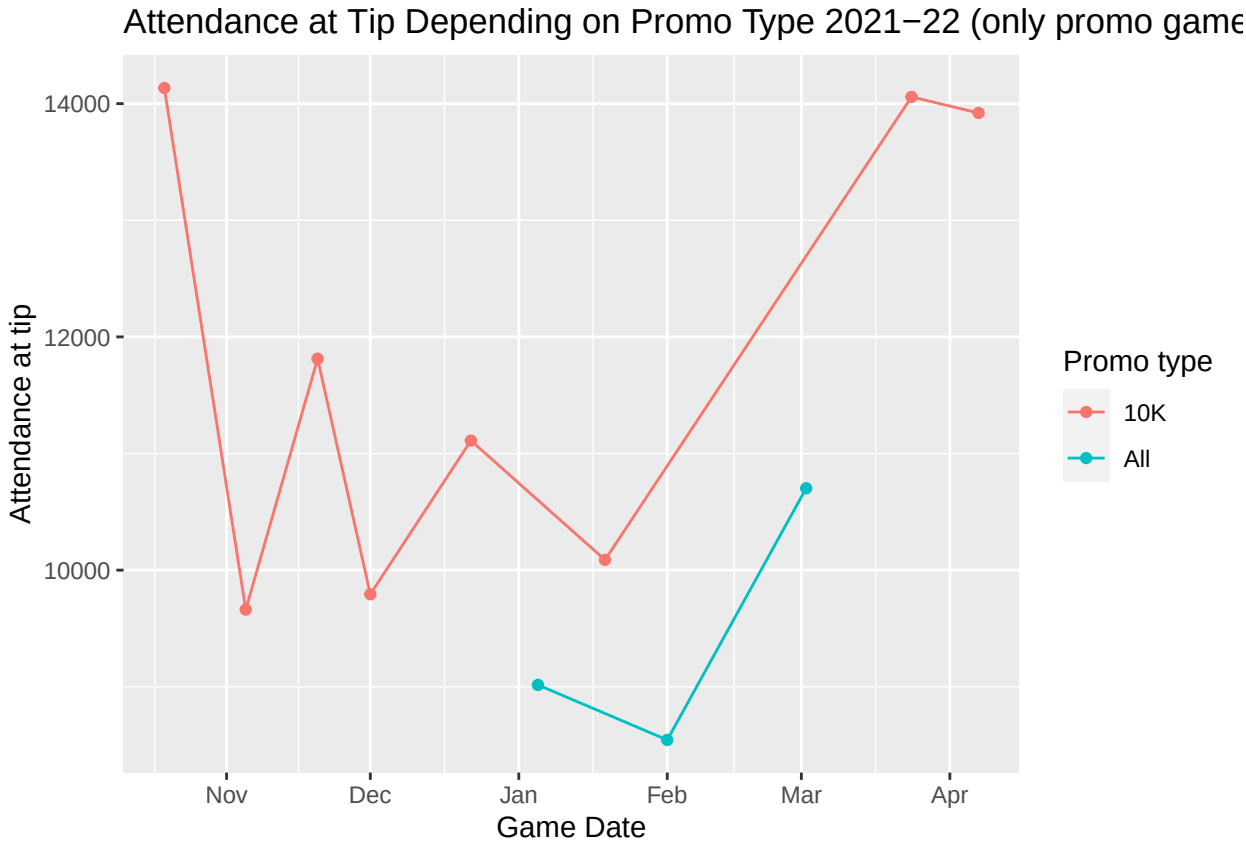
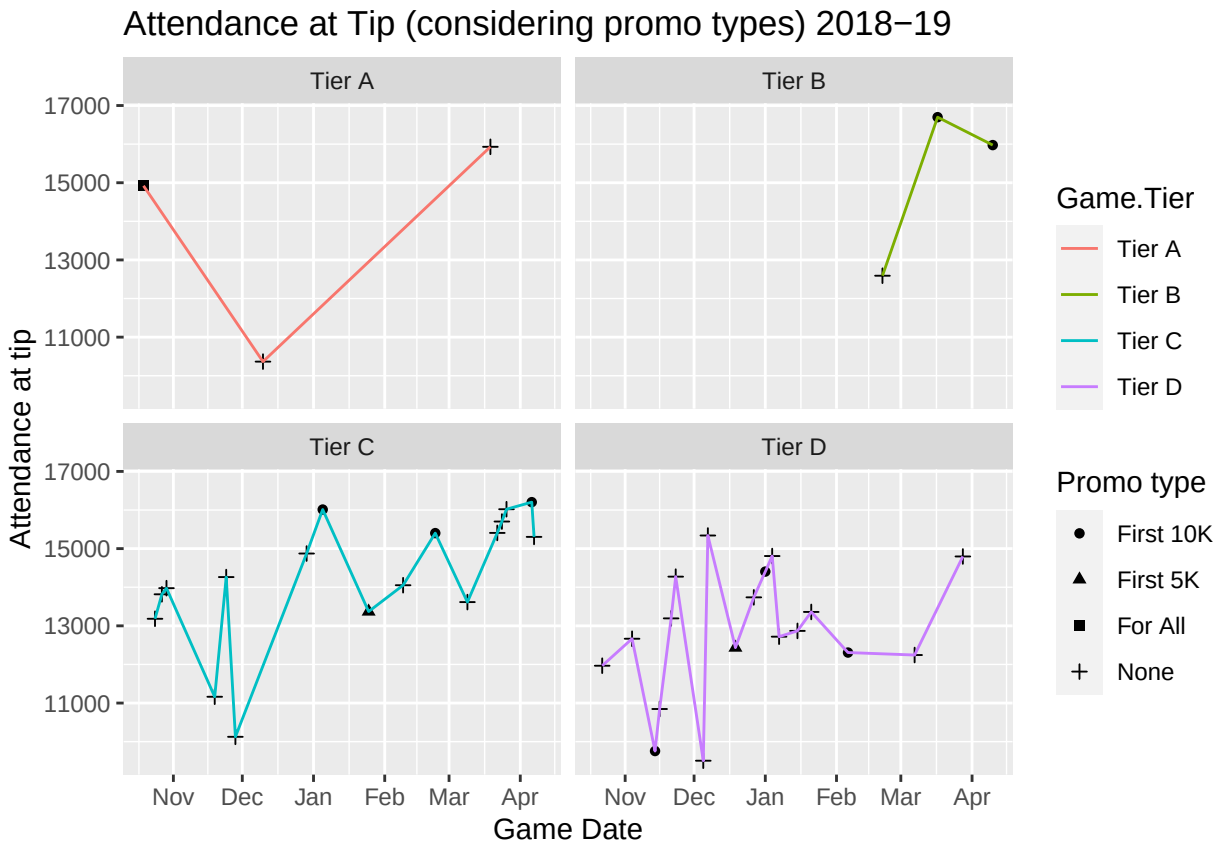



```
promo_timeline_18_19 <- season18_19 %>%
  select(Game.Date, Game.Tier, Attendance.at.tip, Promo, Note) %>%
  mutate(Game.Date = as.Date(Game.Date, "%m/%d/%Y")) %>%
  mutate(if_promo = case_when(Promo == "" ~ "No promo",
                              TRUE ~ "Promo")) %>%
  mutate(type_promo = ifelse(if_promo == "Promo",
                             case_when(str_detect(Note, "5K") ~ "First 5K",
                                       str_detect(Note, "10K") ~ "First 10K",
                                       TRUE ~ "For All"), "None"))

  #type_promo <- factor(levels = c("None", "For All", "First 10K", "First 5K"), ordered = TRUE)
```

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  mutate(type_promo = ifelse(if_promo == "Promo",
                             case_when(str_detect(Note, "5K") ~ "First 5K",
                                       str_detect(Note, "10K") ~ "First 10K",
                                       TRUE ~ "For All"), "None"))

  #type_promo <- factor(levels = c("None", "For All", "First 10K", "First 5K"), ordered = TRUE)
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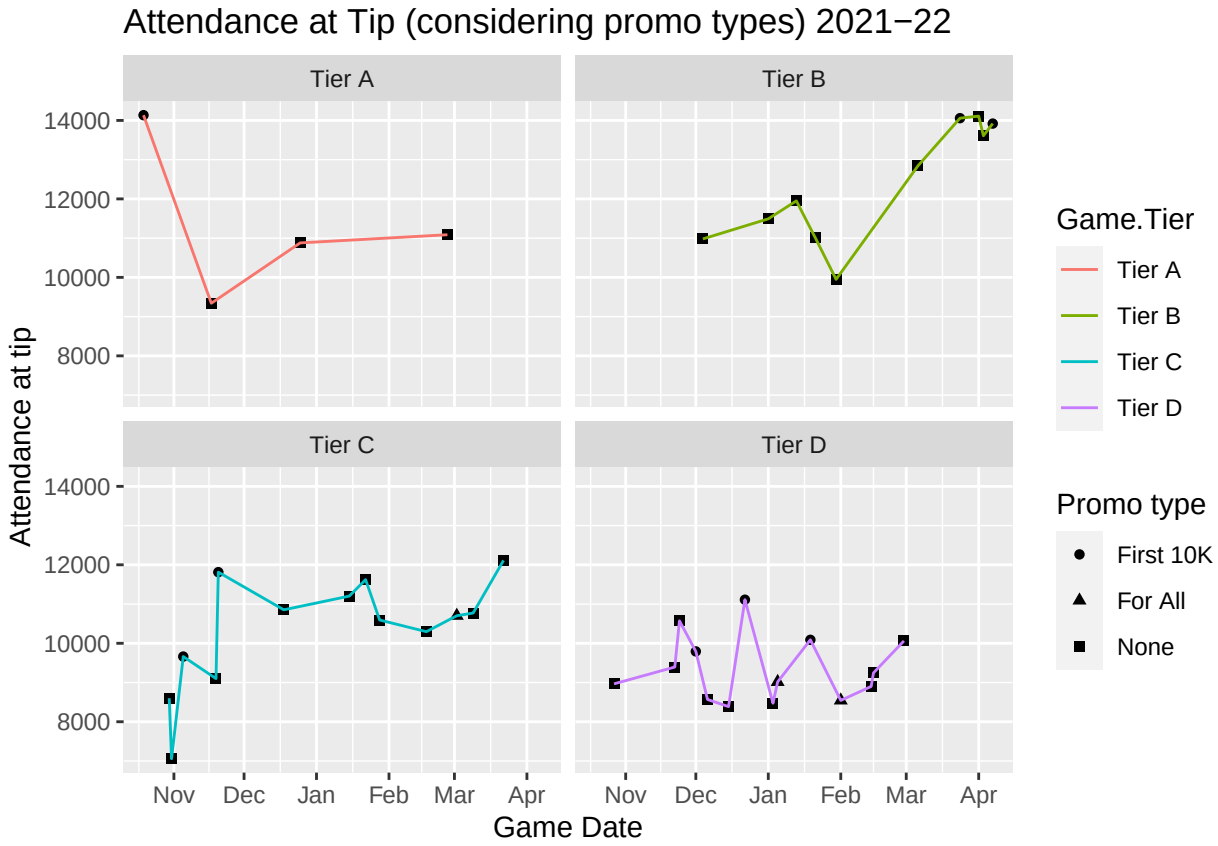
Attendance at Tip (considering promo types) 2021−22
Tier A
Tier B
Tier C
Tier D
14000
12000
10000
8000
Attendance at tip
Nov
Dec
Jan
Feb
Mar
Apr
Game Date
Game.Tier
Tier A
Tier B
Tier C
Tier D
Promo type
First 10K
For All
None