

Challenge 9

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```
library(tidyverse)
```

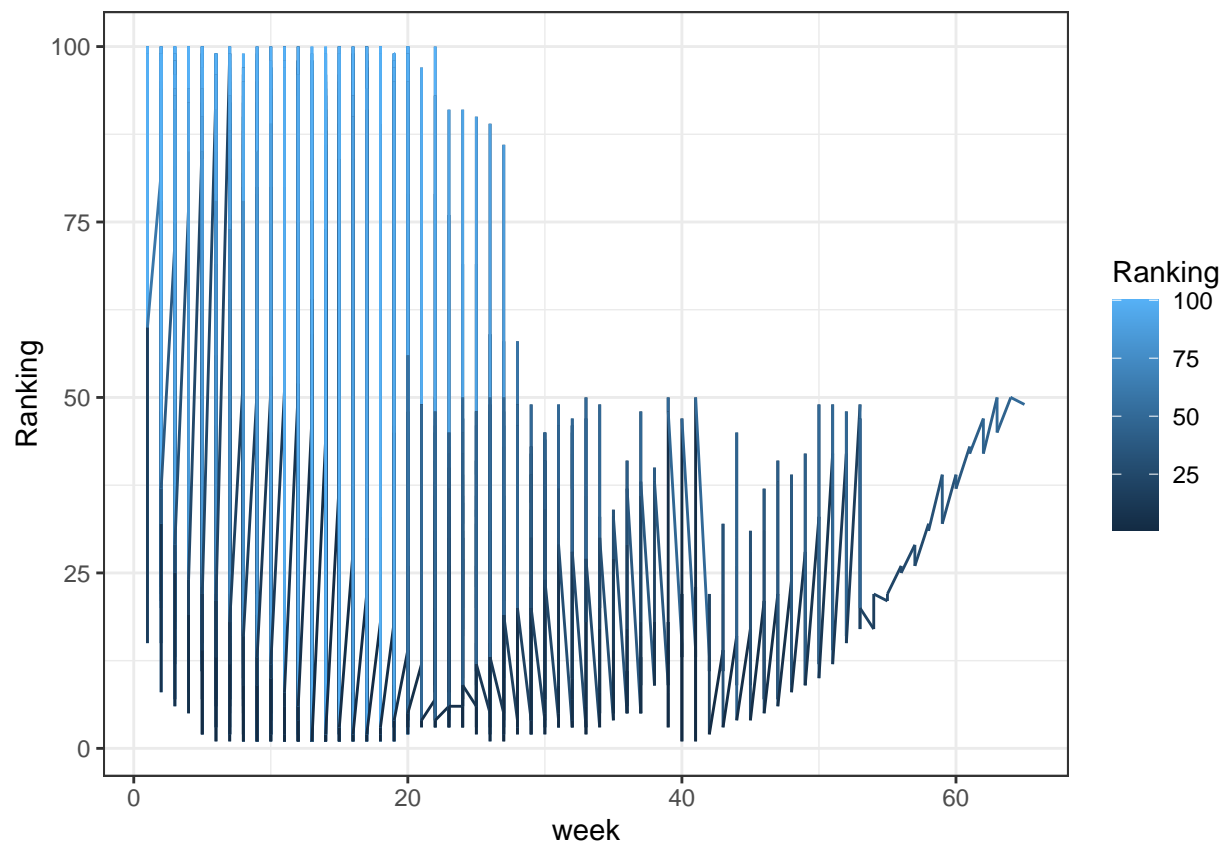
```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.2      v readr      2.1.4
## v forcats    1.0.0      v stringr   1.5.0
## v ggplot2     3.4.3      v tibble    3.2.1
## v lubridate  1.9.2      v tidyr     1.3.0
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## 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
```

```
songs <- billboard %>%
  pivot_longer(
    cols = starts_with("wk"),
    names_to = "Weeks",
    values_to = "Ranking",
    values_drop_na = TRUE,
  ) %>%
  mutate(week = parse_number(Weeks))
songs
```

```
## # A tibble: 5,307 x 6
##   artist track date.entered Weeks Ranking week
##   <chr> <chr> <date> <chr> <dbl> <dbl>
## 1 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk1 87 1
## 2 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk2 82 2
## 3 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk3 72 3
## 4 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk4 77 4
## 5 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk5 87 5
## 6 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk6 94 6
## 7 2 Pac Baby Don't Cry (Keep... 2000-02-26 wk7 99 7
## 8 2Ge+her The Hardest Part Of ... 2000-09-02 wk1 91 1
## 9 2Ge+her The Hardest Part Of ... 2000-09-02 wk2 87 2
## 10 2Ge+her The Hardest Part Of ... 2000-09-02 wk3 92 3
## # i 5,297 more rows
```

```
ggplot(songs) +
  aes(x=week ,y= Ranking, colour=Ranking) +
```

```
geom_line() +  
theme_bw()
```



```
patients <- cms_patient_experience %>%  
  pivot_wider(  
    names_from = "measure_cd",  
    values_from = "prf_rate",  
    id_cols = starts_with("org")  
  )  
patients
```

```
## # A tibble: 95 x 8  
##   org_pac_id org_nm CAHPS_GRP_1 CAHPS_GRP_2 CAHPS_GRP_3 CAHPS_GRP_5 CAHPS_GRP_8  
##   <chr>      <chr>      <dbl>      <dbl>      <dbl>      <dbl>      <dbl>  
## 1 0446157747 USC C~         63         87         86         57         85  
## 2 0446162697 ASSOC~         59         85         83         63         88  
## 3 0547164295 BEAVE~         49         NA         75         44         73  
## 4 0749333730 CAPE ~         67         84         85         65         82  
## 5 0840104360 ALLIA~         66         87         87         64         87  
## 6 0840109864 REX H~         73         87         84         67         91  
## 7 0840513552 SCL H~         58         83         76         58         78  
## 8 0941545784 GRITM~         46         86         81         54         NA  
## 9 1052612785 COMMU~         65         84         80         58         87  
## 10 1254237779 OUR L~         61         NA         NA         65         NA  
## # i 85 more rows
```

```
## # i 1 more variable: CAHPS_GRP_12 <dbl>
```