library (tidyverse)

```
## -- Attaching core tidyverse packages ----
                                                                                               tidy
verse 2.0.0 ——
## dplyr
                1.1.2
                           ✓ readr
                                        2.1.4
## √ forcats
                1.0.0

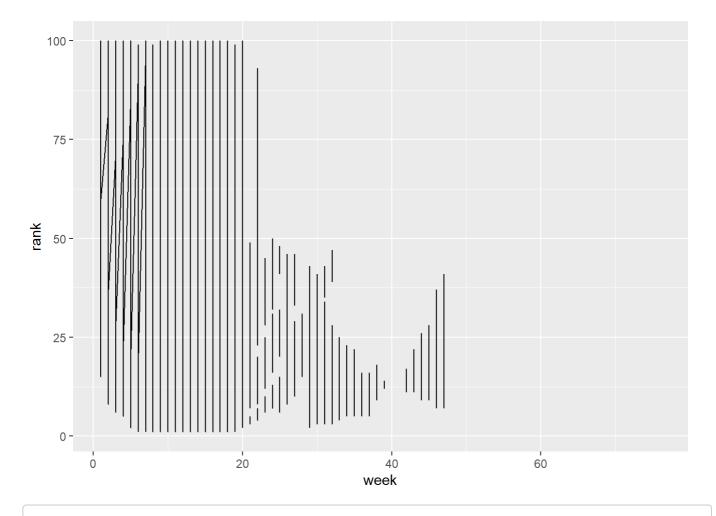
√ stringr

                                        1.5.0
## √ ggplot2
                3.4.3
                           √ tibble
                                        3. 2. 1
## / lubridate 1.9.2
                           ✓ tidyr
                                        1.3.0
## √ purrr
                1.0.2
## -- Conflicts ----
  --- tidyverse conflicts() ---
## X dplyr::filter() masks stats::filter()
## X dplyr::lag()
                       masks stats::lag()
## | Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to beco
me errors
```

billboard

```
## # A tibble: 317 \times 79
##
      artist
                   track date.entered
                                                  wk2
                                                         wk3
                                                               wk4
                                                                      wk5
                                                                             wk6
                                                                                    wk7
                                         wk1
##
      <chr>
                   <chr> <date>
                                         \langle db1 \rangle \langle db1 \rangle
##
   1 2 Pac
                   Baby · · · 2000-02-26
                                             87
                                                    82
                                                           72
                                                                  77
                                                                         87
                                                                                94
                                                                                      99
                                                                                             NΑ
                   The ••• 2000-09-02
##
    2 2Ge+her
                                             91
                                                    87
                                                           92
                                                                  NA
                                                                         NA
                                                                                NA
                                                                                      NA
                                                                                             NA
   3 3 Doors D. Kryp. 2000-04-08
##
                                              81
                                                     70
                                                            68
                                                                   67
                                                                          66
                                                                                 57
                                                                                       54
                                                                                              53
##
    4 3 Doors D. Loser 2000-10-21
                                             76
                                                    76
                                                           72
                                                                  69
                                                                         67
                                                                                65
                                                                                      55
                                                                                             59
   5 504 Boyz
                   Wobb ... 2000-04-15
##
                                             57
                                                    34
                                                           25
                                                                  17
                                                                         17
                                                                                31
                                                                                       36
                                                                                             49
##
    6 98 0
                   Give ... 2000-08-19
                                             51
                                                    39
                                                           34
                                                                  26
                                                                         26
                                                                                19
                                                                                       2
                                                                                              2
##
   7 A*Teens
                   Danc · · · 2000-07-08
                                             97
                                                    97
                                                           96
                                                                  95
                                                                        100
                                                                                NA
                                                                                      NA
                                                                                             NA
##
    8 Aaliyah
                   I Do · · · 2000-01-29
                                             84
                                                    62
                                                           51
                                                                  41
                                                                         38
                                                                                35
                                                                                       35
                                                                                             38
##
   9 Aaliyah
                   Try ··· 2000-03-18
                                             59
                                                    53
                                                           38
                                                                  28
                                                                         21
                                                                                18
                                                                                       16
                                                                                             14
                                                     76
                                                            74
## 10 Adams, Yo. Open 2000-08-26
                                              76
                                                                   69
                                                                          68
                                                                                 67
                                                                                       61
                                                                                              58
## # i 307 more rows
## # i 68 more variables: wk9 <dbl>, wk10 <dbl>, wk11 <dbl>, wk12 <dbl>,
## #
       wk13 <db1>, wk14 <db1>, wk15 <db1>, wk16 <db1>, wk17 <db1>, wk18 <db1>,
## #
       wk19 <db1>, wk20 <db1>, wk21 <db1>, wk22 <db1>, wk23 <db1>, wk24 <db1>,
## #
       wk25 <db1>, wk26 <db1>, wk27 <db1>, wk28 <db1>, wk29 <db1>, wk30 <db1>,
       wk31 <db1>, wk32 <db1>, wk33 <db1>, wk34 <db1>, wk35 <db1>, wk36 <db1>,
## #
       wk37 <db1>, wk38 <db1>, wk39 <db1>, wk40 <db1>, wk41 <db1>, wk42 <db1>, ...
## #
```

Warning: Removed 3741 rows containing missing values (`geom line()`).



cms_patient_experience

```
## # A tibble: 500 \times 5
##
      org_pac_id org_nm
                                                    measure_cd measure_title prf_rate
##
      <chr>
                  <chr>>
                                                     <chr>
                                                                <chr>>
                                                                                  <db1>
    1 0446157747 USC CARE MEDICAL GROUP INC
                                                    CAHPS GRP... CAHPS for MI...
                                                                                       63
##
   2 0446157747 USC CARE MEDICAL GROUP INC
                                                    CAHPS_GRP··· CAHPS for MI···
                                                                                       87
##
    3 0446157747 USC CARE MEDICAL GROUP INC
                                                    CAHPS_GRP··· CAHPS for MI···
                                                                                       86
   4 0446157747 USC CARE MEDICAL GROUP INC
                                                    CAHPS_GRP··· CAHPS for MI···
                                                                                       57
   5 0446157747 USC CARE MEDICAL GROUP INC
                                                    CAHPS GRP... CAHPS for MI...
                                                                                       85
##
   6 0446157747 USC CARE MEDICAL GROUP INC
                                                    CAHPS GRP... CAHPS for MI...
                                                                                       24
   7 0446162697 ASSOCIATION OF UNIVERSITY PHYSI... CAHPS_GRP... CAHPS for MI...
                                                                                        59
   8 0446162697 ASSOCIATION OF UNIVERSITY PHYSI... CAHPS GRP... CAHPS for MI...
                                                                                        85
    9 0446162697 ASSOCIATION OF UNIVERSITY PHYSI... CAHPS_GRP... CAHPS for MI...
                                                                                        83
## 10 0446162697 ASSOCIATION OF UNIVERSITY PHYSI... CAHPS GRP... CAHPS for MI...
                                                                                        63
## # i 490 more rows
```

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

##		org_pac_id	org_nm CAHP	S_GRP_1 CAH	PS_GRP_2 CAH	PS_GRP_3 CAH	PS_GRP_5 CAH	PS_GRP_8
##		<chr></chr>	<chr></chr>	<db1></db1>	<db1></db1>	<db1></db1>	<db1></db1>	<db1></db1>
##	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 ro	ows					
##	# i	l more var	iable: CAHP	S GRP 12 <dł< td=""><td>1></td><td></td><td></td><td></td></dł<>	1>			