DataFest_Analysis

$S^{2LZ}2$

```
library(tidyverse)
library(knitr)
library(broom)
library(nnet) # for multinomial logistic regression
```

R Markdown

```
CA <- read_csv("~/df_data/CA/ca.csv")
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   .default = col_double(),
##   DATE = col_datetime(format = ""),
##   DEM_POSTAL = col_character(),
##   START_DATE = col_datetime(format = "")
## )
## i Use `spec()` for the full column specifications.
```

```
DE <- read_csv("~/df_data/DE/de.csv")
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   .default = col_double(),
##   DATE = col_datetime(format = ""),
##   START_DATE = col_datetime(format = "")
## )
## i Use `spec()` for the full column specifications.
```

```
UK <- read_csv("~/df_data/UK/uk.csv")
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   .default = col_double(),
##   DATE = col_datetime(format = ""),
##   DEM_POSTAL = col_character(),
##   START_DATE = col_datetime(format = "")
## )
## i Use `spec()` for the full column specifications.
```

```
US18 <- read_csv("~/df_data/US/us_18.csv")
```

```
##
## -- Column specification --------------------------------------------------------
```

```
## cols(
##   .default = col_double(),
##   DATE = col_datetime(format = ""),
##   DEM_POSTAL = col_character(),
##   START_DATE = col_datetime(format = ""),
##   DEM_STATE = col_character()
## )
## i Use `spec()` for the full column specifications.
```

```
US19 <- read_csv("~/df_data/US/us_19.csv")
```

```
##
## -- Column specification --------------------------------------------------------
## cols(
##   .default = col_double(),
##   DATE = col_datetime(format = ""),
##   DEM_POSTAL = col_character(),
##   BHYD_NMUYR = col_logical(),
##   DIHY_NMUYR = col_logical(),
##   TAP_NMUYR = col_logical(),
##   QUA_NMUYR = col_logical(),
##   OTH_RX_DRUG_USE_SPFY = col_character(),
##   START_DATE = col_datetime(format = ""),
##   DEM_STATE = col_character()
## )
## i Use `spec()` for the full column specifications.
```

```
view(CA)
view(DE)
view(UK)
view(US18)
view(US19)
```

Including Plots

You can also embed plots, for example:

```
## Warning: 'tidy.numeric' is deprecated.
## See help("Deprecated")
```

```
## Warning: `data_frame()` was deprecated in tibble 1.1.0.
## Please use `tibble()` instead.
```

```
## # A tibble: 187 x 2
##    names            x
##    <chr>        <dbl>
##  1 DATE             0
##  2 STATUS           0
##  3 DEM_GENDER       0
##  4 DEM_AGE          0
##  5 DEM_STDNT        0
##  6 DEM_VET          0
##  7 DEM_HEALTH       0
##  8 DEM_LOCATION     0
##  9 DEM_POSTAL       0
## 10 DEM_MARITAL      0
## # ... with 177 more rows
```

```
## Warning: 'tidy.numeric' is deprecated.
## See help("Deprecated")
```

```
## # A tibble: 185 x 2
##    names             x
##    <chr>         <dbl>
##  1 DATE              0
##  2 STATUS            0
##  3 QLANG             0
##  4 DEM_GENDER        0
##  5 DEM_AGE           0
##  6 DEM_ABOR          0
##  7 DEM_ABOR_TYPE  9574
##  8 DEM_STDNT         0
##  9 DEM_VET           0
## 10 DEM_HEALTH        0
## # ... with 175 more rows
```

```
## Warning: 'tidy.numeric' is deprecated.
## See help("Deprecated")
```

```
## # A tibble: 199 x 2
##    names            x
##    <chr>        <dbl>
##  1 DATE             0
##  2 STATUS           0
##  3 DEM_GENDER       0
##  4 DEM_AGE          0
##  5 DEM_STDNT        0
##  6 DEM_VET          0
##  7 DEM_HEALTH       0
##  8 DEM_POSTAL       0
##  9 DEM_HISPANIC     0
## 10 DEM_RACE         0
## # ... with 189 more rows
```

```
## Warning: 'tidy.numeric' is deprecated.
## See help("Deprecated")
```

```
## # A tibble: 523 x 2
##    names             x
##    <chr>         <dbl>
##  1 DATE              0
##  2 STATUS            0
##  3 QLANG             0
##  4 DEM_GENDER        0
##  5 DEM_AGE           0
##  6 DEM_POSTAL        0
##  7 DEM_REGION        0
##  8 DEM_INCOME        0
##  9 DEM_HOME          0
## 10 DEM_GENHEALTH     0
## # ... with 513 more rows
```

```
## Warning: 'tidy.numeric' is deprecated.
## See help("Deprecated")
```

```
## # A tibble: 523 x 2
##    names             x
##    <chr>         <dbl>
##  1 DATE              0
##  2 STATUS            0
##  3 QLANG             0
##  4 DEM_GENDER        0
##  5 DEM_AGE           0
##  6 DEM_POSTAL        0
##  7 DEM_REGION        0
##  8 DEM_INCOME        0
##  9 DEM_HOME          0
## 10 DEM_GENHEALTH     0
## # ... with 513 more rows
```

```
## Warning: 'tidy.numeric' is deprecated.
## See help("Deprecated")
```

```
## # A tibble: 156 x 2
##    names            x
##    <chr>        <dbl>
##  1 DATE             0
##  2 STATUS           0
##  3 QLANG            0
##  4 DEM_GENDER       0
##  5 DEM_AGE          0
##  6 DEM_LOCATION     0
##  7 DEM_POSTAL       0
##  8 DEM_STDNT        0
##  9 DEM_VET          0
## 10 DEM_HEALTH       0
## # ... with 146 more rows
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.