Project_test

B203349

2022-12-11

Contents R Markdown Including Plo

```
Including Plots . . . .
library(sparklyr)
##
## Attaching package: 'sparklyr'
## The following object is masked from 'package:stats':
##
##
       filter
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
      filter, lag
## The following objects are masked from 'package:base':
##
       intersect, setdiff, setequal, union
##
library(ggplot2)
library(cowplot)
library(knitr)
library(kableExtra)
##
## Attaching package: 'kableExtra'
## The following object is masked from 'package:dplyr':
##
##
       group_rows
library(tidyverse)
## Warning in system("timedatectl", intern = TRUE): running command 'timedatectl'
## had status 1
## -- Attaching packages ------ tidyverse 1.3.2 --
## v tibble 3.1.8
                     v purrr 0.3.4
## v tidyr
           1.2.0
                      v stringr 1.4.0
```

```
v forcats 0.5.1
## v readr
            2.1.2
## -- Conflicts ----- tidyverse conflicts() --
## x dplyr::filter()
                            masks sparklyr::filter(), stats::filter()
## x kableExtra::group_rows() masks dplyr::group_rows()
## x purrr::invoke()
                            masks sparklyr::invoke()
## x dplyr::lag()
                            masks stats::lag()
library(lubridate)
##
## Attaching package: 'lubridate'
##
## The following object is masked from 'package:cowplot':
##
##
      stamp
##
## The following objects are masked from 'package:base':
##
      date, intersect, setdiff, union
##
library(ggplot2)
library(dbplot)
library(janitor)
##
## Attaching package: 'janitor'
## The following objects are masked from 'package:stats':
##
##
      chisq.test, fisher.test
library(broom)
library(formatR)
```

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:

```
# total number of patient encounters
total_number_of_patient_encounters <- pull(diabetic_data,
    patient_nbr) %>%
    length()
```

Table 1: Summary of patient encounters

| | n |
|--|---------|
| Total number of patient encounters: | 101,766 |
| Number of patient encounters that can be classified as 'repeat': | 47,021 |
| Number of patients with repeat encounters: | 16,773 |

```
# number of patients with repeat encounters
number_of_patient_with_repeat_encounters <- diabetic_data %>%
    group_by(patient_nbr) %>%
    filter(n() > 1) %>%
    tally() %>%
    sdf_nrow()
# number of patient encounters that can be
# classified as 'repeat'
number_of_patient_classed_as_repeat <- diabetic_data %>%
    group_by(patient_nbr) %>%
    filter(n() > 1) %>%
    sdf_nrow()
patient_encounters_table <- data.frame(n = c(total_number_of_patient_encounters,</pre>
    number_of_patient_classed_as_repeat, number_of_patient_with_repeat_encounters))
row.names(patient_encounters_table) <- c("Total number of patient encounters:",
    "Number of patient encounters that can be classified as 'repeat':",
    "Number of patients with repeat encounters:")
kable(patient_encounters_table, caption = "Summary of patient encounters",
    digits = 3, format.args = list(big.mark = ",",
   scientific = FALSE))
```

Including Plots

You can also embed plots, for example:



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