

Draft Quarto document

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Setup chunk

Importing DIME data

Importing CGM data manually

```
cgm_101 <- here("data-raw/dime/cgm/101.csv") |>
  read_csv(show_col_types = FALSE,
           name_repair = to_snake_case,
           n_max = 100)

sleep_101 <- here("data-raw/dime/sleep/101.csv") |>
  read_csv(show_col_types = FALSE,
           name_repair = to_snake_case,
           n_max = 50)

View(sleep_101)
```

Functions

Adding function

```
#' Adds two numbers
#' 
#' @param num1 is a number
#' @param num2 is a number
#' 
#' @returns gives the sum of the two numbers
#' @export
add_numbers <- function(num1, num2) {
  added <- num1 + num2
  return(added)
}
```

Importing function

```
#' Import function CGM
#' 
#' @param file_path File path for cgm data
#' 
```

```
#' @returns Imported file as data.frame
import_cgm <- function(file_path) {
  cgm <- file_path |>
    read_csv(
      show_col_types = FALSE,
      name_repair = to_snake_case,
      n_max = 100
    )
  return(cgm)
}

#' Import function Sleep
#'
#' @param file_path File path for Sleep data
#'
#' @returns Imported file data.frame
import_sleep <- function(file_path) {
  sleep <- file_path |>
    read_csv(
      show_col_types = FALSE,
      name_repair = to_snake_case,
      n_max = 100
    )
  return(sleep)
}

here("data-raw/dime/cgm/104.csv") |>
  import_cgm()
```

```
# A tibble: 100 × 2
  device_timestamp      historic_glucose_mmol_l
  <dtm>                <dbl>
1 2021-06-29 00:41:00          7
2 2021-06-29 00:56:00          7
3 2021-06-29 01:11:00        7.1
4 2021-06-29 01:26:00        6.7
5 2021-06-29 01:41:00        6.4
6 2021-06-29 01:56:00        6.2
7 2021-06-29 02:11:00         6
8 2021-06-29 02:26:00        5.5
9 2021-06-29 02:41:00        5.7
10 2021-06-29 02:56:00         6
# i 90 more rows
```

```
here("data-raw/dime/sleep/101.csv") |>
  import_sleep()
```

```
# A tibble: 100 × 3
  date          sleep_type seconds
  <dtm>        <chr>      <dbl>
1 2021-05-24 23:03:00 wake         540
2 2021-05-24 23:12:00 light        180
3 2021-05-24 23:15:00 deep       1440
```

4	2021-05-24	23:39:00	light	240
5	2021-05-24	23:43:00	wake	300
6	2021-05-24	23:48:00	light	120
7	2021-05-24	23:50:00	rem	1350
8	2021-05-25	00:12:30	wake	870
9	2021-05-25	00:27:00	rem	360
10	2021-05-25	00:33:00	light	210

i 90 more rows