

# Tastermonial Food Comparisons

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## Setup: load theme information

This section gives a central place to make templates that can be reused across reports

```
library(showtext)

## Loading required package: sysfonts
## Loading required package: showtextdb
font_add_google("Montserrat")
showtext_auto()

psi_theme <- theme(text = element_text(# family = "Montserrat",
                                       face = "bold", size = 15),
                  axis.text.x = element_text(size = 15, angle = 90, hjust = 1),
                  legend.title = element_blank(),
                  legend.position = "bottom")
```

## Setup: Prepare database

Pull the data from the Tastermonial AWS database. Your credentials are kept in the local file `config.yml`, which is not displayed (or kept in Github)

```
conn_args <- config::get("dataconnection")
con <- DBI::dbConnect(
  drv = conn_args$driver,
  user = conn_args$user,
  host = conn_args$host,
  port = conn_args$port,
  dbname = conn_args$dbname,
  password = conn_args$password
)
```

Loads food times and other data from the Tastermonial retool database.

```
source("psi_db_taster_notes.R")
# from file.path(config::get("tastermonial")$datadir, "table-data.csv")
# taster_raw <- taster_raw()
taster_raw %>% names()
```

```
## [1] "startEatingDate" "notes" "endEatingDate" "image"
## [5] "productFdcID" "afterTags" "scannedTimeStamp" "name"
## [9] "user" "barcode" "fiber" "isArchive"
```

```
## [13] "type"          "beforeTags"    "servings"      "carb"
## [17] "netCarb"       "_id"           "__metadata"
```

Glucose Reponse for Munk products

```
# return all users who ate foodname
glucose_for_food_df(user_id = user_df_from_db() %>% pull(user_id), foodname="munk")

## # A tibble: 14 x 6
##   Start          End   Activity Comment          Z user_id
##   <dtm>         <dtm> <chr>    <chr>          <dbl>   <dbl>
## 1 2021-08-02 21:00:00 NA      Food      Munk pack sea salt dark ch~ NA      1002
## 2 2021-08-17 20:20:00 NA      Food      Munk pack sea salt dark ch~ NA      1002
## 3 2021-09-01 13:44:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1009
## 4 2021-08-27 22:16:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1009
## 5 2021-08-24 16:41:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1001
## 6 2021-08-21 15:53:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA         0
## 7 2021-08-14 15:11:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA         0
## 8 2021-08-23 06:27:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1014
## 9 2021-08-14 16:20:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1014
## 10 2021-08-21 22:51:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1004
## 11 2021-08-13 16:10:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1008
## 12 2021-08-13 16:17:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1008
## 13 2021-08-02 21:00:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1002
## 14 2021-08-17 20:18:00 NA      Food      Munk Pack Keto Nut & Seed ~ NA      1002

username_for_id(1014) # string value for user_id = 1014

## [1] "Bude Sethaputra"

# all named items in Tastermonial database that have an associated barcode and include the letters "Mun
munk <- taster_raw %>% filter(!is.na(barcode)) %>% filter(str_detect(name,"Munk")) %>% select(name) %>%

# URL for the image associated with that name

munk_img <- taster_raw %>% filter(!is.na(barcode)) %>% filter(str_detect(name,"Munk")) %>% select(name,

#print(munk_img)

# all times this user ate something by that name, including the 20 minutes beforehand

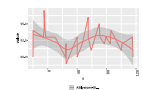
munk_times <- food_times_df(user_id = lookup_id_from_name("Bude Sethaputra"), foodname = munk[1], pref
munk_times %>% knitr::kable() %>% kableExtra::kable_styling(latex_options = "striped", position = "float

# plot
munk_times %>% transmute(t,value,meal = str_trunc(meal,25)) %>%
  ggplot(aes(x=t,y=value, color = meal)) + geom_line() +
  labs(title = "Eating Munk Pack Bars", subtitle = "August 2021") +
  psi_theme
```

t	value	meal	foodname
-20	104	BSethaputra-8/23-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed
-5	104	BSethaputra-8/23-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed
24	103	BSethaputra-8/23-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed
-20	82	BSethaputra-8/14-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed
-3	74	BSethaputra-8/14-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed
12	76	BSethaputra-8/14-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed
27	88	BSethaputra-8/14-Munk Pack Keto Nut & Seed - Sea Salt Dark Chocolate	Munk Pack Keto Nut & Seed

Start	Comment	user_id
2021-08-17 14:34:00	[Moon Cheese] White Chedda Black Peppa I 1oz or 2 oz bags	1014
2021-08-30 03:39:00	[Moon Cheese] White Chedda Black Peppa I 1oz or 2 oz bags	1002
2021-08-10 20:05:00	[Moon Cheese] White Chedda Black Peppa I 1oz or 2 oz bags	1002

t	value	meal	foodname	user_id
-20	90	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
-5	94	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
10	93	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
25	92	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
40	93	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
55	96	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
70	95	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
85	92	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002
100	91	ABlystone-8/30-[Moon Cheese\] White	\[Moon Cheese\] White	1002



DBI::dbDisconnect(con)