January is National Cheese Lover’s Day

Column Names:

* company
* product\_name
* rating
* Category\_Corrected
* country
* county

Level 1. Remove any rows where ‘company,’ ‘product\_name,’ and/or ‘rating’ are blank.

Level 2. Make one table that shows the counts of each category within ‘rating,’ and then make a second table showing counts for each ‘country.’

Level 3. First, make a table showing how many of each medal type (rating) each cheese (Category\_Corrected). Which cheese has the most “Super Golds?” Next, modify the table and indicate which country produced the most “Super Gold” cheeses.

Level 4. Generate a map that shows which countries have won super gold medals. Since this is a more advanced skill, I’ve provided a starter code below.

#necessary packages

install.packages("ggplot2")

library(ggplot2)

library(tidyverse)

mapdata2 <- map\_data("world") ##ggplot2, map data

View(mapdata2)

#rename country into region for merge

January\_Cheese <- January\_Cheese %>%

rename(region = country)

View(January\_Cheese)

# Delete the 'County' column

January\_Cheese <- January\_Cheese %>%

select(-county)

View(January\_Cheese)

mapdata\_unique <- mapdata %>%

distinct(region, lat, long) # Keep only relevant columns; I paired down the dataset significantly because my computer was having trouble running it – so please note this is NOT an accurate representation of medals won my countries – I’ve filtered it down significantly.

January\_Cheese\_unique <- January\_Cheese %>%

distinct(region, .keep\_all = TRUE) #see above comment

January\_Cheese\_Mapss <- January\_Cheese\_unique %>%

left\_join(mapdata\_unique, by = "region")

# View the result

print(January\_Cheese\_Mapss)

View(January\_Cheese\_Mapss)

map1 <- ggplot(January\_Cheese\_Mapss, aes(x = long, y = lat)) +

geom\_point(aes(color = rating), size = 3) + # Points colored by rating

labs(title = "Map of Country Ratings", x = "Longitude", y = "Latitude") +

theme\_minimal() +

scale\_color\_manual(values = c("SUPER GOLD" = "purple", "GOLD" = "gold", "SILVER" = "blue", "BRONZE" = "brown")) # Map colors to categories

# View the map

print(map1)