

library(dplyr)

library(ggplot2)

movements <- rio::import(file = "categories.xls")

library(lubridate)

movements %>%

  mutate(date\_new = as.Date(movements$Date, origin = "1899-12-30")) %>%

  mutate(day\_of\_week = wday(date\_new)) %>%

  mutate(month = month(date\_new)) -> movements\_clean

movements\_clean %>%

  group\_by(month) %>%

  summarise(number\_of\_movements = n(),

            sum\_of\_entries = sum (Income, na.rm = TRUE),

            sum\_of\_expenses = sum (Expenditure, na.rm = TRUE)) -> monthly\_summary

monthly\_summary %>%

  ggplot(aes(x = month ,y = number\_of\_movements)) +

  geom\_bar(stat = 'identity') +

  coord\_flip()

monthly\_summary %>%

  ggplot(aes(x = month ,y = sum\_of\_expenses)) +

  geom\_bar(stat = 'identity') +

  coord\_flip()

monthly\_summary %>%

  ggplot(aes(x = month ,y = sum\_of\_entries)) +

  geom\_bar(stat = 'identity') +

  coord\_flip()





