

```

file_1 <- "Month-"
file_2 <- ".csv"
month <- 1:13

for(i in month) {

  # create file name
  if(i %in% 1:9) {
    file_name <- paste0("data/", file_1, 0, i, file_2)
  } else if(i %in% 10:12) {
    file_name <- paste0("data/", file_1, i, file_2)
  } else {
    response <- paste(i, "is an invalid month")
    print(response)
    next
  }

  # import data
  if(file.exists(file_name)) {
    df <- read_csv(file_name)
    assign(paste0("df.month.", i), df)
    rm(df)
  } else {
    response <- paste("There is no available data for month", i)
    print(response)
  }
}

```

SOLUTION

1. Create file names.
2. If invalid month, provide response and skip to next iteration.
3. If the file exists, import and rename.
4. If the file does not exist for a given month, provide a response

```

file_1 <- "Month-"
file_2 <- ".csv"
month <- 1:13

for(i in month) {

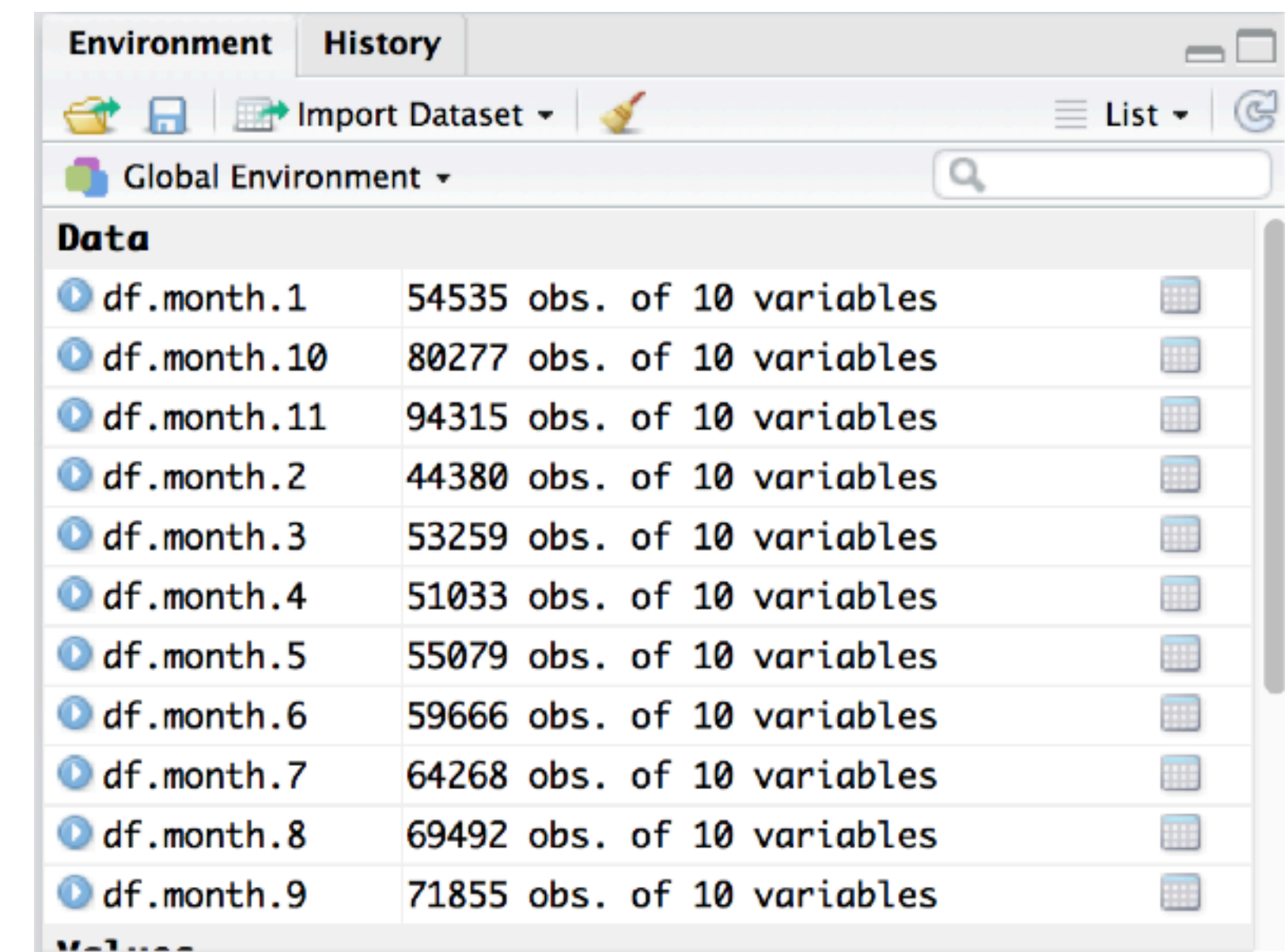
  # create file name
  if(i %in% 1:9) {
    file_name <- paste0("data/", file_1, 0, i, file_2)
  } else if(i %in% 10:12) {
    file_name <- paste0("data/", file_1, i, file_2)
  } else {
    response <- paste(i, "is an invalid month")
    print(response)
    next
  }

  # import data
  if(file.exists(file_name)) {
    df <- read_csv(file_name)
    assign(paste0("df.month.", i), df)
    rm(df)
  } else {
    response <- paste("There is no available data for month", i)
    print(response)
  }
}

```

SOLUTION

When you run this for months 1:13



The screenshot shows the R Studio Environment pane with the 'Global Environment' selected. It lists data frames for months 1 through 9, each with 10 variables and a specific number of observations. The 'Values' pane is partially visible at the bottom.

Data	Observations	Variables
df.month.1	54535 obs.	10 variables
df.month.10	80277 obs.	10 variables
df.month.11	94315 obs.	10 variables
df.month.2	44380 obs.	10 variables
df.month.3	53259 obs.	10 variables
df.month.4	51033 obs.	10 variables
df.month.5	55079 obs.	10 variables
df.month.6	59666 obs.	10 variables
df.month.7	64268 obs.	10 variables
df.month.8	69492 obs.	10 variables
df.month.9	71855 obs.	10 variables

and for months 12 & 13 the response is:

```

[1] "There is no available data for month 12"
[1] "13 is an invalid month"

```