

```

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

Environment		History
Global Environment		Import Dataset
Data		
df.month.1	54535 obs. of 10 variables	
df.month.10	80277 obs. of 10 variables	
df.month.11	94315 obs. of 10 variables	
df.month.2	44380 obs. of 10 variables	
df.month.3	53259 obs. of 10 variables	
df.month.4	51033 obs. of 10 variables	
df.month.5	55079 obs. of 10 variables	
df.month.6	59666 obs. of 10 variables	
df.month.7	64268 obs. of 10 variables	
df.month.8	69492 obs. of 10 variables	
df.month.9	71855 obs. of 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"

```

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

```
for(i in month) {
```

```
  # create file name
```

```
  if(i %in% 1:9) {
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    file_name <- paste0("data/", file_1, 0, i, file_2)
```

```
  } else if(i %in% 10:12) {
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```
    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)
```

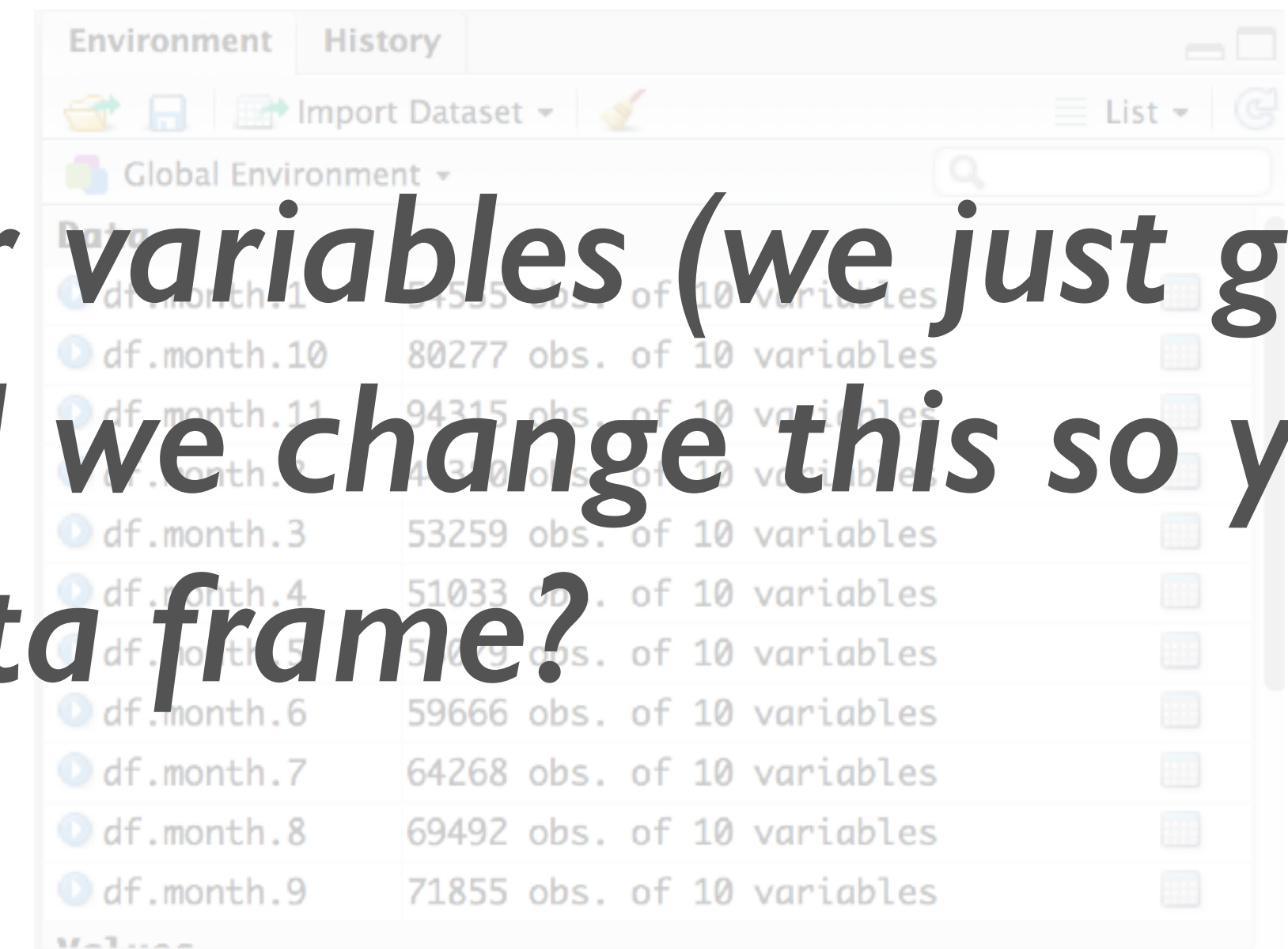
```
    print(response)
```

```
  }
```

```
}
```

SOLUTION

When you run this for months 1:13



The screenshot shows the RStudio Environment pane with a list of data frames: df.month.1 through df.month.9. Each entry shows the number of observations and the number of variables. For example, df.month.1 has 54555 observations and 10 variables. The pane also includes tabs for Environment and History, and a search bar.

Object	Observations	Variables
df.month.1	54555	10
df.month.10	80277	10
df.month.11	94315	10
df.month.12	44320	10
df.month.3	53259	10
df.month.4	51033	10
df.month.5	51019	10
df.month.6	59666	10
df.month.7	64268	10
df.month.8	69492	10
df.month.9	71855	10

and for months 12 & 13 the response is:

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

Since all our data frames have similar variables (we just get updated data each month), how could we change this so you just create one single data frame?