Thyago Martins Retuci 02231059
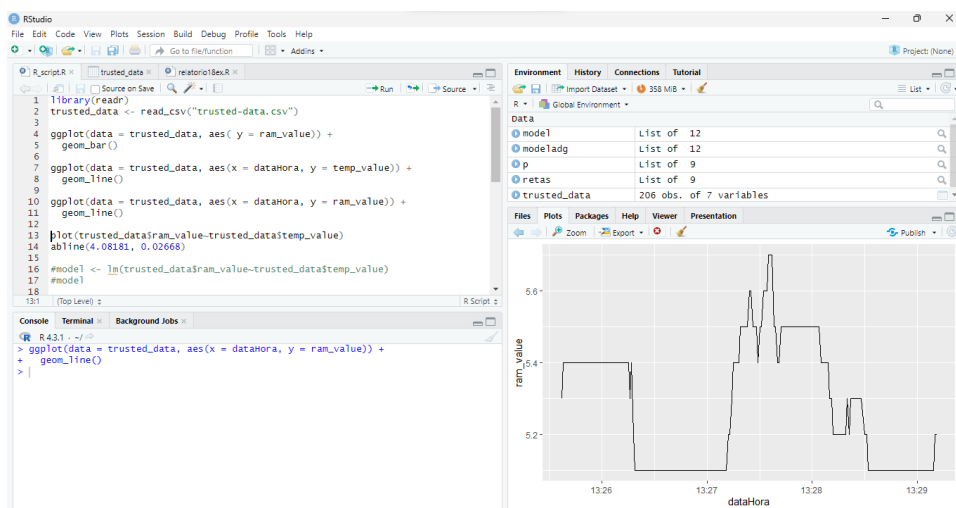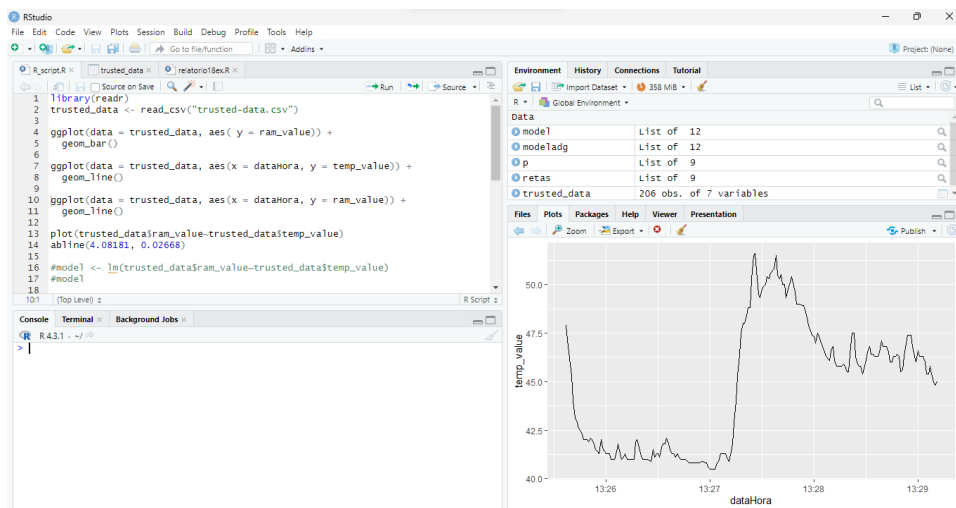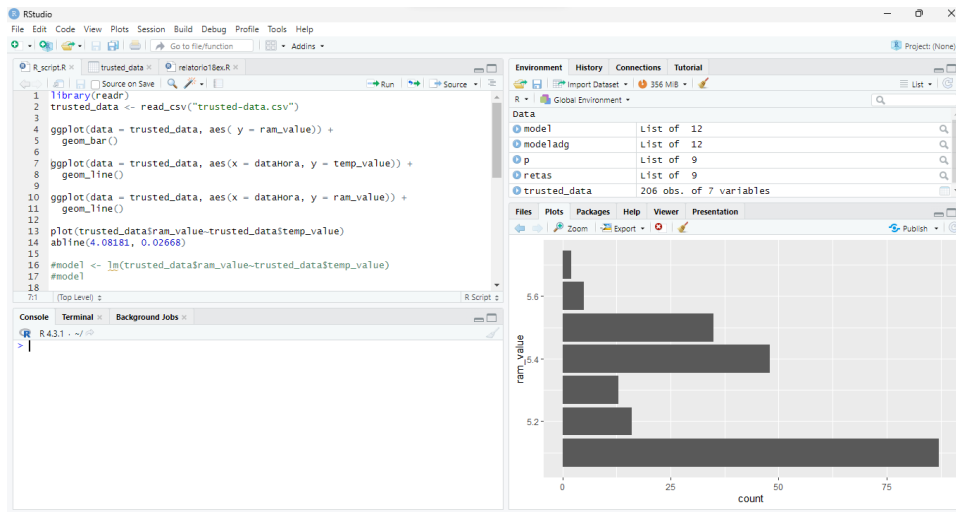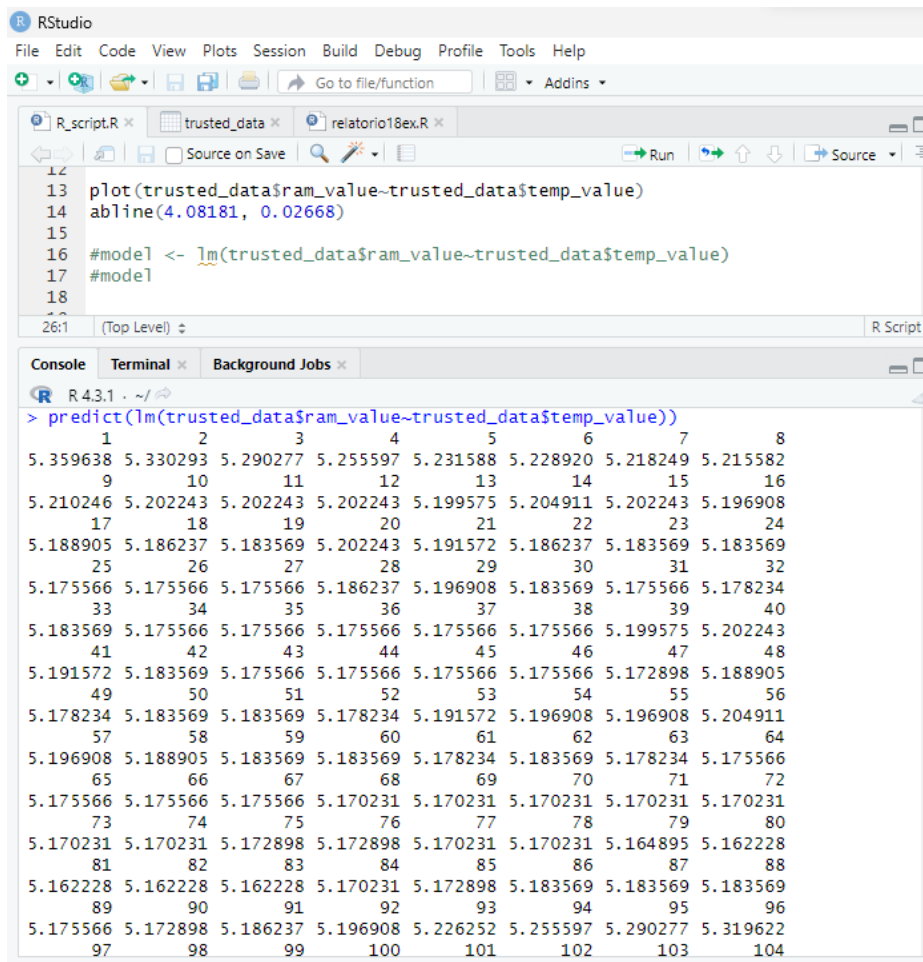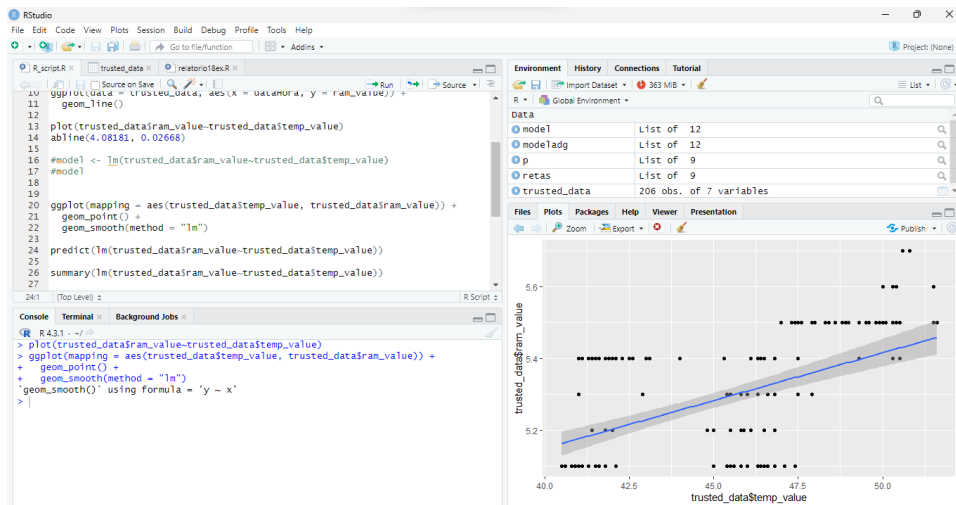
```r
ggplot(data = trusted_data, aes(x = dataHora, y = ram_value)) +
  geom_line()

plot(trusted_data$ram_value~trusted_data$temp_value)
abline(4.08181, 0.02668)

#model <- lm(trusted_data$ram_value~trusted_data$temp_value)
#model

ggplot(mapping = aes(trusted_data$temp_value, trusted_data$ram_value)) +
  geom_point() +
  geom_smooth(method = "lm")

predict(lm(trusted_data$ram_value~trusted_data$temp_value))

summary(lm(trusted_data$ram_value~trusted_data$temp_value))
```

Console:
```
> plot(trusted_data$ram_value~trusted_data$temp_value)
> ggplot(mapping = aes(trusted_data$temp_value, trusted_data$ram_value)) +
+   geom_point() +
+   geom_smooth(method = "lm")
`geom_smooth()` using formula = 'y ~ x'
>
```



```r
12
13  plot(trusted_data$ram_value~trusted_data$temp_value)
14  abline(4.08181, 0.02668)
15
16  #model <- lm(trusted_data$ram_value~trusted_data$temp_value)
17  #model
18
```

Console:
```
> predict(lm(trusted_data$ram_value~trusted_data$temp_value))
       1        2        3        4        5        6        7        8
5.359638 5.330293 5.290277 5.255597 5.231588 5.228920 5.218249 5.215582
       9       10       11       12       13       14       15       16
5.210246 5.202243 5.202243 5.202243 5.199575 5.204911 5.202243 5.196908
      17       18       19       20       21       22       23       24
5.188905 5.186237 5.183569 5.202243 5.191572 5.186237 5.183569 5.183569
      25       26       27       28       29       30       31       32
5.175566 5.175566 5.175566 5.186237 5.196908 5.183569 5.175566 5.178234
      33       34       35       36       37       38       39       40
5.183569 5.175566 5.175566 5.175566 5.175566 5.175566 5.199575 5.202243
      41       42       43       44       45       46       47       48
5.191572 5.183569 5.175566 5.175566 5.175566 5.175566 5.172898 5.188905
      49       50       51       52       53       54       55       56
5.178234 5.183569 5.183569 5.178234 5.191572 5.196908 5.196908 5.204911
      57       58       59       60       61       62       63       64
5.196908 5.188905 5.183569 5.183569 5.178234 5.183569 5.178234 5.175566
      65       66       67       68       69       70       71       72
5.175566 5.175566 5.175566 5.170231 5.170231 5.170231 5.170231 5.170231
      73       74       75       76       77       78       79       80
5.170231 5.170231 5.172898 5.172898 5.170231 5.170231 5.164895 5.162228
      81       82       83       84       85       86       87       88
5.162228 5.162228 5.162228 5.170231 5.172898 5.183569 5.183569 5.183569
      89       90       91       92       93       94       95       96
5.175566 5.172898 5.186237 5.196908 5.226252 5.255597 5.290277 5.319622
      97       98       99      100      101      102      103      104
```

```
29   ggplot(trusted_data, aes(x = ram_value, y = temp_value)) +
30     geom_bar(stat = "identity")
31
32   #GRAFICO DE PIZZA
33   ggplot(trusted_data, aes(x = factor(1), fill = factor(ram_value))) +
34     geom_bar() +
35     coord_polar(theta = "y")
36
37   #GRAFICO DE REGRESSAO LINEAR
38   ggplot(trusted_data, aes(x = temp_value, y = ram_value)) +
39     geom_point() +
40     geom_smooth(method = "lm", se = FALSE) +
```

37:1   (Top Level)   R Script

Environment History Connections Tutorial

Import Dataset   353 MiB   List

R   Global Environment

Data
model   List of 12
modeladg   List of 12
p   List of 9
retas   List of 9
trusted_data 206 obs. of 7 variables

Files Plots Packages Help Viewer Presentation

Zoom   Export   Publish

Console Terminal Background Jobs

R 4.3.1 · ~/

```
> #BAR PLOT TEMPxRAM
> ggplot(trusted_data, aes(x = ram_value, y = temp_value)) +
+     geom_bar(stat = "identity")
> #GRAFICO DE PIZZA
> ggplot(trusted_data, aes(x = factor(1), fill = factor(ram_value))) +
+ geom_bar() +
+ coord_polar(theta = "y")
>
```

```
30     geom_bar(stat = "identity")
31
32   #GRAFICO DE PIZZA
33   ggplot(trusted_data, aes(x = factor(1), fill = factor(ram_value))) +
34     geom_bar() +
35     coord_polar(theta = "y")
36
37   #GRAFICO DE REGRESSAO LINEAR
38   ggplot(trusted_data, aes(x = temp_value, y = ram_value)) +
39     geom_point() +
40     geom_smooth(method = "lm", se = FALSE) +
41     labs(x = "Temperatura", y = "Uso de RAM")
42
```

42:1   (Top Level)   R Script

Environment History Connections Tutorial

Import Dataset   353 MiB   List

R   Global Environment

Data
model   List of 12
modeladg   List of 12
p   List of 9
retas   List of 9
trusted_data 206 obs. of 7 variables

Files Plots Packages Help Viewer Presentation

Zoom   Export   Publish

Console Terminal Background Jobs

R 4.3.1 · ~/

```
> #BAR PLOT TEMPxRAM
> ggplot(trusted_data, aes(x = ram_value, y = temp_value)) +
+     geom_bar(stat = "identity")
> #GRAFICO DE PIZZA
> ggplot(trusted_data, aes(x = factor(1), fill = factor(ram_value))) +
+ geom_bar() +
+ coord_polar(theta = "y")
> #GRAFICO DE REGRESSAO LINEAR
> ggplot(trusted_data, aes(x = temp_value, y = ram_value)) +
+   geom_point() +
+   geom_smooth(method = "lm", se = FALSE) +
+   labs(x = "Temperatura", y = "Uso de RAM")
`geom_smooth()` using formula 'y ~ x'
>
```