Oncase2b

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library(tidyverse)

## Warning: package 'tidyverse' was built under R version 4.1.2

## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --

## v ggplot2 3.3.5 v purrr 0.3.4  
## v tibble 3.1.6 v dplyr 1.0.7  
## v tidyr 1.1.4 v stringr 1.4.0  
## v readr 2.1.1 v forcats 0.5.1

## Warning: package 'ggplot2' was built under R version 4.1.2

## Warning: package 'tibble' was built under R version 4.1.2

## Warning: package 'tidyr' was built under R version 4.1.2

## Warning: package 'readr' was built under R version 4.1.2

## Warning: package 'purrr' was built under R version 4.1.2

## Warning: package 'dplyr' was built under R version 4.1.2

## Warning: package 'stringr' was built under R version 4.1.2

## Warning: package 'forcats' was built under R version 4.1.2

## -- Conflicts ------------------------------------------ tidyverse\_conflicts() --  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag() masks stats::lag()

library(forecast)

## Warning: package 'forecast' was built under R version 4.1.2

## Registered S3 method overwritten by 'quantmod':  
## method from  
## as.zoo.data.frame zoo

library(ggplot2)  
library(seasonal)

## Warning: package 'seasonal' was built under R version 4.1.2

##   
## Attaching package: 'seasonal'

## The following object is masked from 'package:tibble':  
##   
## view

library(seasonalview)

## Warning: package 'seasonalview' was built under R version 4.1.2

##   
## Attaching package: 'seasonalview'

## The following object is masked from 'package:seasonal':  
##   
## view

## The following object is masked from 'package:tibble':  
##   
## view

library(urca)

## Warning: package 'urca' was built under R version 4.1.2

library(readxl)

## Warning: package 'readxl' was built under R version 4.1.2

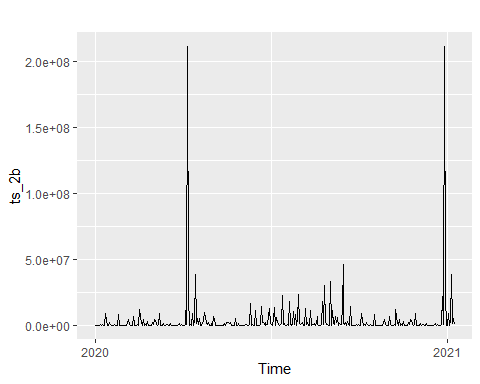
serie\_tempo\_2b <- read\_excel("~/Job/Oncase desafio/serie\_tempo\_2b.xlsx")  
View(serie\_tempo\_2b)

Transformando o data frame numa série temporal

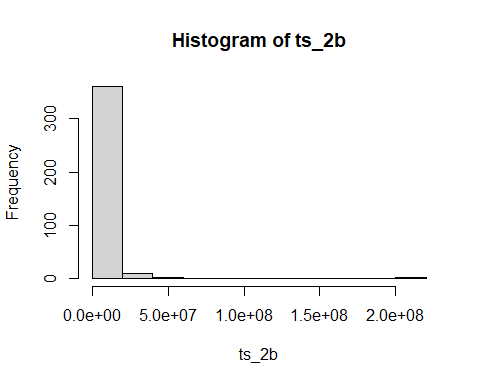
ts\_2b = ts(serie\_tempo\_2b$faturamento, start = c(2020,1), end = c(2021,9), frequency=365)

Verificando a existência de sazonalidade

autoplot(ts\_2b)



hist(ts\_2b)



boxplot(ts\_2b)

