

desafio 04

ME315-2S2025

brotto

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```
## virtualenv_create("temp.env")
use_virtualenv("temp.env")
## py_install("pandas", envname = "temp.env")
```

```
t0 <- Sys.time()
flights <- read_csv(unz('./flights.csv.zip', 'flights.csv'))
t1 <- Sys.time()
t1 - t0
```

Time difference of 1.627058 mins

Função de leitura: read_csv do pacote readr

```
t0 <- Sys.time()
flights <- read_csv(unz('./flights.csv.zip', 'flights.csv'))
t1 <- Sys.time()
t1 - t0
```

Time difference of 3.970812 mins

```
import pandas as pd
import time
from zipfile import ZipFile

t0 = time.time()
with ZipFile("./flights.csv.zip", "r") as zip_file:
    with zip_file.open("flights.csv") as file:
        flights = pd.read_csv(file, header = 0, sep = ",", low_memory = True)
t1 = time.time()
t1 - t0
```

377.97119212150574

```
virtualenv_remove("temp.env")
```

Virtual environment "temp.env" removed.