tutorial\_nycflights13

Débora

4/8/2022

#install.packages(‘nycflights13’) #install.packages(“tidyverse”)

library("nycflights13")  
library("tidyverse")

## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.1 ──

## ✓ ggplot2 3.3.5 ✓ purrr 0.3.4  
## ✓ tibble 3.1.6 ✓ dplyr 1.0.7  
## ✓ tidyr 1.1.4 ✓ stringr 1.4.0  
## ✓ readr 2.1.0 ✓ forcats 0.5.1

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

flights

## # A tibble: 336,776 × 19  
## year month day dep\_time sched\_dep\_time dep\_delay arr\_time sched\_arr\_time  
## <int> <int> <int> <int> <int> <dbl> <int> <int>  
## 1 2013 1 1 517 515 2 830 819  
## 2 2013 1 1 533 529 4 850 830  
## 3 2013 1 1 542 540 2 923 850  
## 4 2013 1 1 544 545 -1 1004 1022  
## 5 2013 1 1 554 600 -6 812 837  
## 6 2013 1 1 554 558 -4 740 728  
## 7 2013 1 1 555 600 -5 913 854  
## 8 2013 1 1 557 600 -3 709 723  
## 9 2013 1 1 557 600 -3 838 846  
## 10 2013 1 1 558 600 -2 753 745  
## # … with 336,766 more rows, and 11 more variables: arr\_delay <dbl>,  
## # carrier <chr>, flight <int>, tailnum <chr>, origin <chr>, dest <chr>,  
## # air\_time <dbl>, distance <dbl>, hour <dbl>, minute <dbl>, time\_hour <dttm>

1. Existem 336.776 observações
2. Existem 19 variaveis
3. Cada observação é um vetor com elementos de um mesmo tipo
4. As variáveis são numéricas, caracteres e data
5. As variaveis são discretas (chr, int) e contínuas (dbl)

tabela\_aeroportos <- tibble(Sigla=c("NWR","JFK","LGA"),  
 Nome=c("Newark","John F Kennedy","Laguardia"))  
tabela\_aeroportos

## # A tibble: 3 × 2  
## Sigla Nome   
## <chr> <chr>   
## 1 NWR Newark   
## 2 JFK John F Kennedy  
## 3 LGA Laguardia