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18F0276



DATA SCIENCE ASSIGNMENT 1

Q.2. Fetching data from API

Script:

install.packages("httr")

install.packages("jsonlite")

library(httr)

library(dplyr)

library(jsonlite)

weatherAPI <- function(){

#API KEY for my project from accuweather

MY\_API\_KEY <- "Ux1QXzR4FRHnVP03fWMAYmWe8BDIc4Kx"

#URL of Accuweather API for 5 day weather

url <- paste("http://dataservice.accuweather.com/forecasts/v1/daily/5day/260622?apikey=", MY\_API\_KEY)

#Fetched data

print(paste("Fetching Data from ", url))

#GET method used to request result

my\_json\_result <- GET(url)

#Converting class "response" to "list" through parsing json

myjsonObj <- content(my\_json\_result, as="text") %>% fromJSON(flatten = T)

#Required JSON object extracted

my\_forecast <- myjsonObj$DailyForecasts

#Matrix data type

my\_forecast <- as.matrix(my\_forecast)

#status

print("CSV file will now be written of the data type.")

write.csv(my\_forecast, "Q2.csv", row.names = FALSE)

print("Created CSV File")

}

weatherAPI()

OUTPUT:

Graphical user interface, text, application, email

Description automatically generated

CSV FILE:

Text

Description automatically generated

Graphical user interface, application

Description automatically generated