DATA TO DB

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# libraries

# list of coins

# Get Data from CoinMarketCap  
coin\_list\_all <- crypto\_list(only\_active = TRUE)

# Base Script To have base data

# Function to fetch cryptocurrency historical data with a specified date range  
hourly\_crypto\_OHLCV <- crypto\_history(coin\_list = coin\_list\_all,  
 convert = "USD", # change to USD or other currency if desired  
 limit = 1000,  
 sleep = 0,  
 interval = "1h",  
 start\_date = Sys.Date()-5, # specify the start date  
 end\_date =Sys.Date()) # specify the end date

## ❯ Scraping historical crypto data

##

## ❯ Processing historical crypto data

##

# Run this EveryHour

# Function to fetch cryptocurrency historical data with a specified date range  
hourly\_crypto\_OHLCV\_today <- crypto\_history(coin\_list = coin\_list\_all,  
 convert = "USD", # change to USD or other currency if desired  
 limit = 1000,  
 sleep = 0,  
 interval = "1h",  
 start\_date = Sys.Date()-1, # specify the start date  
 end\_date =Sys.Date()+1) # specify the end date

## ❯ Scraping historical crypto data

##

## Error: Unfortunately, the scraper could not find data with the sent api-call. If you believe this is a bug please report at https://github.com/sstoeckl/crypto2/issues

## Retrying in 60 seconds.

## ❯ Processing historical crypto data

##

# part 2   
# Append new\_data to crypto\_hist  
crypto\_hist <- rbind(hourly\_crypto\_OHLCV, hourly\_crypto\_OHLCV\_today)  
  
  
# part 3  
# Convert 'timestamp' to Date format if it's not already in Date format  
crypto\_hist$timestamp <- as.Date(crypto\_hist$timestamp)  
  
# Calculate the threshold date (4 days ago)  
threshold\_date <- Sys.Date() - 4  
  
# Filter rows where timestamp is not older than 4 days  
crypto\_hist <- crypto\_hist[crypto\_hist$timestamp >= threshold\_date, ]