

TASK 1: Get a COVID-19 pandemic Wiki page using HTTP request

First, let's write a function to use HTTP request to get a public COVID-19 Wiki page.

Before you write the function, you can open this public page from this

URL https://en.wikipedia.org/w/index.php?title=Template:COVID-19_testing_by_country using a web browser.

The goal of task 1 is to get the html page using HTTP request (`httr` library)

In [2]:

```
get_wiki_covid19_page <- function() {  
  
  # Our target COVID-19 wiki page URL is: https://en.wikipedia.org/w/index.php?title=Template:COVID-19_testing_by_country  
  # Which has two parts:  
  # 1) base URL `https://en.wikipedia.org/w/index.php`  
  # 2) URL parameter: `title=Template:COVID-19_testing_by_country`, seperated by question mark ?  
  
  # Wiki page base  
  wiki_base_url <- "https://en.wikipedia.org/w/index.php"  
  # You will need to create a List which has an element called `title` to specify which page you want to get from Wiki  
  # in our case, it will be `Template:COVID-19_testing_by_country`  
  
  # - Use the `GET` function in httr library with a `url` argument and a `query` arugment to get a HTTP response  
  
  # Use the `return` function to return the response  
  
}
```

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Code

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Call the `get_wiki_covid19_page` function to get a http response with the target html page

In [5]:

```
# Call the get_wiki_covid19_page function and print the response
url_get<- 'https://en.wikipedia.org/w/index.php'
query_params<-list(title="Template:COVID-19_testing_by_country")
response<-GET(url_get,query=query_params)
return(response)
```

Response [https://en.wikipedia.org/w/index.php?title=Template%3ACOVID-19_testing_by_country]

Date: 2022-07-11 07:20

Status: 200

Content-Type: text/html; charset=UTF-8

Size: 413 kB

<!DOCTYPE html>

<html class="client-nojs" lang="en" dir="ltr">

<head>

<meta charset="UTF-8"/>

<title>Template:COVID-19 testing by country - Wikipedia</title>

<script>document.documentElement.className="client-js";RLCONF={"wgBreakFrames...

"CS1 German-language sources (de)","CS1 Azerbaijani-language sources (az)","C...

"CS1 uses Japanese-language script (ja)","CS1 Japanese-language sources (ja)"...

"COVID-19 pandemic templates"],"wgPageContentLanguage":"en","wgPageContentMod...

true,"wgGETopicsMatchModeEnabled":false,"wgGESTructuredTaskRejectionReasonTex...

...