
Subject: Re: Rotav Vaccine and nutrition

Posted by [backclac](#) on Mon, 04 Sep 2023 01:48:47 GMT

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Hello Prof,

I have been able to extract the indicators needed for my project from the API using the following r syntax;

```
```{r}
#library
> library(devtools)
> library(usethis)
> library(rdhs)
> library(RJSONIO)
> library(tidyverse)

#example
#No education ED_EDUC_W_NED
> json_file<- fromJSON(" https://api.dhsprogram.com/rest/dhs/data?countryIds=AO,BF,BJ
,BU,CD,CF,CG,CI,CM,ET,GA,GH,GM,GN,KE,KM,LB,LS,MD,ML,MR,MW,MZ
,NG,NI,NM,RW,SL,SN,ST,SZ,TD,TG,TZ,UG,ZA,ZM&indicatorIds= ED_EDUC_W_NED")
> json_data1<- lapply(json_file$Data, function(x){unlist(x)})
> APIdata23<-as.data.frame(do.call("rbind",json_data1),stringsAsFactors = FALSE)
> xtabs(as.numeric(Value)~SurveyId,data=APIdata23)
```

#Selecting specific variables

```
xt1<-APIdata23 %>%
select(CountryName,SurveyYearLabel,Survey,Value, DenominatorWeighted)
View(xt1)
```
```

#I then selected and copied the viewed table to Excel

#I then calculate the number of population (N) as

$N = (Value/100) * DenominatorWeighted$

I will then import the Excel file into r for complex analysis but I want to be sure if I am on track.

I have also realized that the indicator code CH_DIAT_C_ORZ has some different values for the same survey year due to a change in DenominatorWeighted.

I guess it is appropriate to use the values with the highest DenominatorWeighted

Kindly advice me

Thank you
