## Untitled

## 2024-07-05

```
install.packages("tidyverse")
## Error in install.packages : Updating loaded packages
install.packages("WDI")
## Error in install.packages : Updating loaded packages
library(tidyverse)
library(WDI)
# Example: Download GDP data for the US and China from 2000 to 2020
gdp_data <- WDI(country = c("US", "IND"), indicator = "NY.GDP.MKTP.CD", start = 2000, end = 2020)</pre>
# Preview the data
head(gdp_data)
    country iso2c iso3c year NY.GDP.MKTP.CD
##
## 1
     India IN IND 2020 2.674852e+12
     India IN IND 2019 2.835606e+12
## 2
## 3
      India IN IND 2018 2.702930e+12
## 4
     India IN IND 2017 2.651474e+12
## 5
      India IN IND 2016 2.294797e+12
## 6
     India IN IND 2015 2.103588e+12
tail(gdp_data)
           country iso2c iso3c year NY.GDP.MKTP.CD
## 37 United States US USA 2005
                                     1.303920e+13
## 38 United States US USA 2004
                                     1.221720e+13
## 39 United States US USA 2003
                                     1.145645e+13
## 40 United States US
                          USA 2002
                                     1.092911e+13
## 41 United States US
                          USA 2001
                                     1.058193e+13
## 42 United States
                   US
                          USA 2000
                                     1.025095e+13
dim(gdp_data)
```

## [1] 42 5

## summary(gdp\_data)

```
NY.GDP.MKTP.CD
##
      country
                          iso2c
                                             iso3c
                                                                   year
##
   Length:42
                       Length:42
                                          Length:42
                                                              Min.
                                                                     :2000
                                                                             Min.
                                                                                    :4.684e+11
                                          Class :character
                                                                             1st Qu.:1.712e+12
   Class : character
                       Class : character
                                                              1st Qu.:2005
   Mode :character
                       Mode :character
                                          Mode :character
                                                              Median :2010
                                                                             Median :6.543e+12
##
                                                              Mean
                                                                     :2010
                                                                             Mean
                                                                                    :8.581e+12
##
                                                                             3rd Qu.:1.498e+13
                                                              3rd Qu.:2015
##
                                                              Max.
                                                                     :2020
                                                                             Max.
                                                                                    :2.152e+13
```

## GDP Over Time (2000-2020)

