To download the World bank Data

Site:

<https://data.worldbank.org/indicator>

Part 1: If need to test if our WorldBank file is in sync with website data

Part2: How to download the WorldBank file from Website

**Part1:**

1. Firstly check if the website data is different from our file (Website updates data for all the Indicators yearly):

Step 1: Download the WorldBank File from our drive

Location:

<https://drive.google.com/drive/folders/1aww9iuhDyFwBqjJpUGkTlEqhkfd2zFQb>

FileName:

**WorldBank Combined Data LATEST.xlsx**

Step2: Download the Python Codes for WBD from following location:

Location:

https://drive.google.com/drive/folders/1T-ZPG5u8xo8-eL3q-9SfGfxShruN73Mz

FileName:

**WBD\_data\_test.py**

Step3: Run WBD\_data\_test.py

Output File:

**Excel\_GDP\_growth\_diff.xlsx**

All the WBD Indicators mentioned below are saved as new sheet in the excel.

If the values in website data is different from our file it will be represented as :

{our file value} --> {actual website value}

If there are a lot of value changes the file needs to be updated.

**Part2:**

This part is to download the World Bank Indicators mentioned in Part3 from the Website into format required by us. There two main files for World Bank Indicators:

1. WorldBank Combined Data LATEST.xlsx
2. World Bank Variables Year wise sheet.xls

The World Bank Variables Year wise sheet.xls is used to generate the Project and Deals file

Python Code:

<https://drive.google.com/drive/folders/1T-ZPG5u8xo8-eL3q-9SfGfxShruN73Mz>

Files:

1. Getting\_data\_WBD\_Indicators.py
2. Get\_WBD\_yearwise.py

**Step 1:**

Run following code to download the Indicator files from the website which combines all Indicators into one file:

Getting\_data\_WBD\_Indicators.py

Following Output File is generated:

WorldBank Combined Data LATEST.xlsx

**Step2:**

Run the following code to generate Yearwise file to be used to generate Deals and Projects file.

Code:

Get\_WBD\_yearwise.py

Change\_Country\_Name.py

Input File:

WorldBank Combined Data LATEST.xlsx (generated from Step1)

World Bank Variables Year wise sheet.xlsx (From Google Drive)

Output File:

World Bank Variables Year wise sheet.xls

Description:

Code will merge all the World Bank Indicators yearwise.

Some country names need to be corrected to maintain consistency with other data in project and deals file. So this code calls Change\_Country\_Name.py.

Change\_Country\_Name.py contains list of Country Names that need to be changed.

**Step3:**

Copy the generated into the Google Drive:

WorldBank Combined Data LATEST.xlsx (generated from Step1)

World Bank Variables Year wise sheet.xlsx (generated from Step2)

\*\*\* Caution : In Yearwise we need to have column\_name like in file on google drive..so we just copy the column\_names from old yearwise file to new. (If new indicator or column is added this code will need some modifications)

**Part3:**

List of all the required Indicators:

1. Economy & Growth Section
   1. GDP growth ([GDP growth (annual %)](https://data.worldbank.org/indicator/NY.GDP.MKTP.KD.ZG?view=chart) )
   2. GDP per capita ([GDP per capita, PPP (current international $)](https://data.worldbank.org/indicator/NY.GDP.PCAP.PP.CD?view=chart))
   3. Exports as % of GDP ([Exports of goods and services (% of GDP)](https://data.worldbank.org/indicator/NE.EXP.GNFS.ZS?view=chart)
   4. FDI ([Foreign direct investment, net inflows (BoP, current US$)](https://data.worldbank.org/indicator/BX.KLT.DINV.CD.WD?view=chart)

* Services value added as % of GDP ([Services, value added (% of GDP)](https://data.worldbank.org/indicator/NV.SRV.TOTL.ZS?view=chart)

1. Agriculture
   1. Rural Population as % of Total Population ([Rural population (% of total population)](https://data.worldbank.org/indicator/SP.RUR.TOTL.ZS?view=chart))
2. Aid Effectivenes

* Gender Parity Index (in education); the higher the more equal ([School enrollment, primary and secondary (gross), gender parity index (GPI)](https://data.worldbank.org/indicator/SE.ENR.PRSC.FM.ZS?view=chart)

1. Climate Change

* CO2 Emissions tons per Capita ([CO2 emissions (metric tons per capita)](https://data.worldbank.org/indicator/EN.ATM.CO2E.PC?view=chart))
* Population Growth ([Population growth (annual %)](https://data.worldbank.org/indicator/SP.POP.GROW?view=chart)
* Renewable Energy Consumption (As a % of total Energy Consumption) ([Renewable energy consumption (% of total final energy consumption)](https://data.worldbank.org/indicator/EG.FEC.RNEW.ZS?view=chart)

1. Education

* Unemployment Rate ([Unemployment, total (% of total labor force) (modeled ILO estimate)](https://data.worldbank.org/indicator/SL.UEM.TOTL.ZS?view=chart)
* Expenditures on Education (all education from total government spending) ([Government expenditure on education, total (% of government expenditure)](https://data.worldbank.org/indicator/SE.XPD.TOTL.GB.ZS?view=chart)
* Tertiary Enrollment Ratio (Gross enrollment ratio is the ratio oftotal enrollment, regardless of age, to the population of the age group that officially corresponds to the level of education shown. Tertiary education, whether or not to an advanced research qualification, normally requires, as a minimum condition of admission, the successful completion of education at the secondary level.

([School enrollment, tertiary (% gross)](https://data.worldbank.org/indicator/SE.TER.ENRR?view=chart)

* Women Participation in Labor Force as a percentage total labor force ( [Labor force, female (% of total labor force)](https://data.worldbank.org/indicator/SL.TLF.TOTL.FE.ZS?view=chart)

1. Energy & Mining

* Ore and Metal Exports as % of total Exports [(https://data.worldbank.org/indicator/TX.VAL.MMTL.ZS.UN?view=chart](https://data.worldbank.org/indicator/TX.VAL.MMTL.ZS.UN?view=chart))
* Fuel Exports as % of total Exports (<https://data.worldbank.org/indicator/TX.VAL.FUEL.ZS.UN?view=chart>)
* Energy Imports as % of total energy Use

(https://data.worldbank.org/indicator/EG.IMP.CONS.ZS?view=chart)

1. Financial Sector

* Market Capitalization (of Listed Domestic Compaßnies as a % of GDP)

(<https://data.worldbank.org/indicator/CM.MKT.LCAP.GD.ZS?view=chart>)

1. Health

* Public health Expenditure as % of total Health expenditures (both public and private)

([Current health expenditure (% of GDP)](https://data.worldbank.org/indicator/SH.XPD.CHEX.GD.ZS?view=chart))

* Aging Population (65 and older as % of Total population)

([Mobile cellular Subscription (per 100 people)](https://data.worldbank.org/indicator/SP.POP.65UP.TO.ZS))

1. Infrastructure

* Mobile Phone Diffusion (subscription per 100 people)

[Mobile cellular subscriptions (per 100 people)](https://data.worldbank.org/indicator/IT.CEL.SETS)

* Secure Internet Servers per Million people

([Secure Internet servers (per 1 million people)](https://data.worldbank.org/indicator/IT.NET.SECR.P6?view=chart)

* Air transport, registered carrier departures9 [Air transport, registered carrier departures worldwide](https://data.worldbank.org/indicator/IS.AIR.DPRT?view=chart)
* Port Container Traffic

[Container port traffic (TEU: 20 foot equivalent units)](https://data.worldbank.org/indicator/IS.SHP.GOOD.TU?view=chart)

1. Poverty

* GINI (little data)

[Gini index (World Bank estimate)](https://data.worldbank.org/indicator/SI.POV.GINI?view=chart)

1. Private Sector

* Disclosure Index (the higher the more investor protection)

[Business extent of disclosure index (0=less disclosure to 10=more disclosure)](https://data.worldbank.org/indicator/IC.BUS.DISC.XQ?view=chart)

* Banks as source of credit for working capital financie (Firms using banks to finance working capital (% of firms)) little data

[Firms using banks to finance working capital (% of firms)](https://data.worldbank.org/indicator/IC.FRM.BKWC.ZS?view=chart)

* High Tech Exports (% of manufactured exports)

[High-technology exports (% of manufactured exports)](https://data.worldbank.org/indicator/TX.VAL.TECH.MF.ZS?view=chart)

* International Tourism Expenditures (% of total imports)

[International tourism, expenditures (% of total imports)](https://data.worldbank.org/indicator/ST.INT.XPND.MP.ZS?view=chart)

* Intl Tourism Receipts (% of total exports)

[International tourism, receipts (% of total exports)](https://data.worldbank.org/indicator/ST.INT.RCPT.XP.ZS?view=chart)

* Lead time to export

[Lead time to export, median case (days)](https://data.worldbank.org/indicator/LP.EXP.DURS.MD?view=chart)

* Merchandise Trade as % of GDP

[Merchandise trade (% of GDP)](https://data.worldbank.org/indicator/TG.VAL.TOTL.GD.ZS?view=chart)

* Strength of Legal Rights

[Strength of legal rights index (0=weak to 12=strong)](https://data.worldbank.org/indicator/IC.LGL.CRED.XQ?view=chart)

* Number of Startup Procedures

[Start-up procedures to register a business (number)](https://data.worldbank.org/indicator/IC.REG.PROC?view=chart)

* Tax rate on commercial profits

[Total tax and contribution rate (% of profit)](https://data.worldbank.org/indicator/IC.TAX.TOTL.CP.ZS?view=chart)

* Intentional Homicides per 100,000

[Intentional homicides (per 100,000 people)](https://data.worldbank.org/indicator/VC.IHR.PSRC.P5?view=chart)

* New Business Formation (per 1,000 people age 15-64) ask

<https://data.worldbank.org/indicator/IC.BUS.NDNS.ZS?view=chart> ??

1. [Science & Technology](https://data.worldbank.org/topic/science-and-technology?view=chart)

* R&D Spending as % of GDP

[Research and development expenditure (% of GDP)](https://data.worldbank.org/indicator/GB.XPD.RSDV.GD.ZS?view=chart)

* Patent Applications, Residents

[Patent applications, residents](https://data.worldbank.org/indicator/IP.PAT.RESD?view=chart)

* Trademark Applications, Residents

[Trademark applications, direct resident](https://data.worldbank.org/indicator/IP.TMK.RESD?view=chart)

* Researchers in R&D per million people

[Researchers in R&D (per million people)](https://data.worldbank.org/indicator/SP.POP.SCIE.RD.P6?view=chart)