

Project Document Description

Code folder:

GLWY_Julia.ipnyb

Data wrangling for Covid-19 and unemployment topic and data visualization using Julia

GLWY_R.ipnyb

Data wrangling for Covid-19 and Education topic and data visualization using R

GLWY_R_2.ipnyb

Data wrangling for Covid-19 and Economic topic and data visualization using R

Data Source folder:

The raw data files download from three different websites.



Covid19



Education



Global Economic Prospects



Population



Unemployment



World Development Indicators

Presentation slides:

Presentation.pptx

Data Visualizations folder:

It includes all output data visualization plots.

Output Data

Covid_pop_edu.csv

A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Date	Country_code	Country	WHO_region	New_case	Cumulative_cases	New_deaths	Cumulative_deaths	Pop_total	PopDensity	CumCasePop_percent	ISO	Status
1	#####	AF	Afghanistan	Eastern Medi	0	0	0	0	38928341	59627	0	NA	NA
2	#####	AF	Afghanistan	Eastern Medi	0	0	0	0	38928341	59627	0	NA	NA
3	#####	AF	Afghanistan	Eastern Medi	0	0	0	0	38928341	59627	0	NA	NA

GDP_History_2010_2021_by_country.csv

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Country_Code	Country_Name	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
EAS	East Asia & Pac	7.069893	4.610478	4.694137	4.76982	4.189865	4.199749	4.091404	6.5	6.3	5.9	0.5	6.6
EMU	Europe	2.122500	1.68657	0.80212	0.25277	1.401000	2.112562	1.012812	2.5	1.0	1.2	-0.1	4.5

RealGDP_by_areas.csv

A	B	C	D	E	F	G	H	I
classification	2017	2018	2019e	2020f	2021f	2020fd	2021fd	area
Cambodia	7	7.5	7.1	-1	6	-7.8	-0.8	EAS
China	6.8	6.6	6.1	1	6.9	-4.9	1.1	EAS
EMU	2.1	1.7	0.8	0.3	1.4	1.0	1.2	Europe

Summary_by_areas.csv

A	B	C	D	E	F	G	H	I
classification	2017	2018	2019e	2020f	2021f	2020fd	2021fd	area
EMDE EAP G	6.5	6.3	5.9	0.5	6.6	-5.2	1	EAS
GDP per capit	5.8	5.6	5.2	-0.1	6	-5.2	1	EAS
EMDE EAP G	6.5	6.3	5.9	0.5	6.6	-5.2	1	EAS

Unemployment.csv

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Country	ISO	WHO_region	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	19-20Diff
Afghanistan	AFG	Eastern Medi	11.488	11.508	11.534	11.448	11.387	11.313	11.184	11.057	11.118	11.164	0.046
Albania	ALB	European	13.481	13.376	15.866	17.49	17.08	15.22	13.75	12.34	12.331	12.813	0.481999

Year_Quarterly_GDP_by_country.csv

A	B	C	D	E	F	G	H	I	J	K	L
classification	2017a	2018a	2019ea	2020fa	2021fa	18Q4	19Q1	19Q2	19Q3	19Q4	20Q1E
World	3.3	3	2.4	-5.2	4.2	2.6	2.5	2.4	2.5	2.4	..
Advanced ecc	2.5	2.1	1.6	-7	3.9	1.7	1.8	1.6	1.7	1.4	..
United States	2.4	2.9	2.3	-6.1	4	2.5	2.7	2.3	2.1	2.3	0.3