COVID 19 VACCINATION BY COUNTRY

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ETL PROJECT









O2 TRANSFORM

O4 CONCLUSIONS



Goal

Have clean data that allows us to compare multiple variables and how they relate to Covid vaccine rollouts.



Finding Data

We found all of our data on Kaggle. The following are links to the specific data sets.

Covid World Vaccination Progress:

https://www.kaggle.com/gpreda/covid-world-vaccination-progress

World Happiness Data:

https://www.kaggle.com/unsdsn/world-happiness

UN Country Statistics:

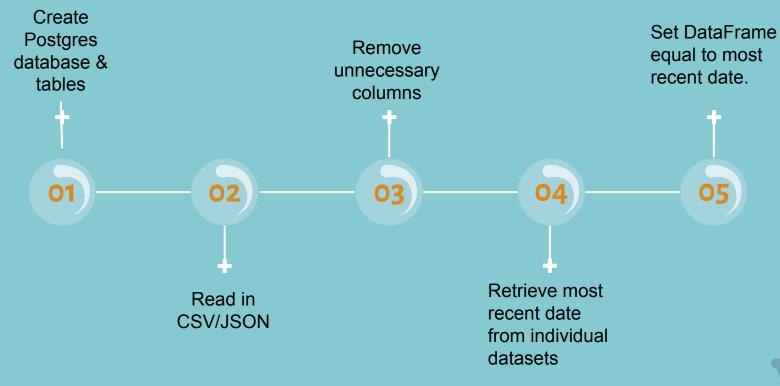
• https://www.kaggle.com/sudalairajkumar/undata-country-profiles







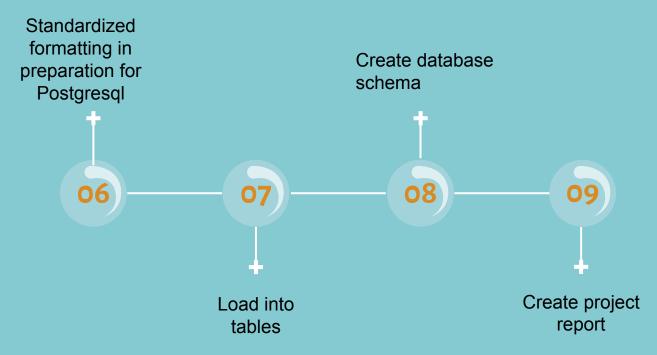
Project Process







Project Process





The type of final production database to load the data into

We chose relational based on Country.



WORLD DATA SCHEMA

www.quickdatabasediagrams.com

vaccine

country varchar(50) date date total_vaccinations bigint people_vaccinated bigint people_fully_vaccinated bigint daily_vaccination bigint total_vaccinations_per_hundred bigint people_vaccinated_per_hundred bigint people_fully_vaccinated_per_hundred bigint daily_vaccinations_per_million bigint vaccines varchar(50)

UN

country	varchar(50
Region	varchar(50
Population in thousands (2017)	bigin
Population density (per km2, 2017)	bigin
Sex ratio (m per 100 f, 2017)	in
GDP: Gross domestic product (million current US\$)	bigin
GDP per capita (current US\$)	bigin
Unemployment (% of labour force)	in
Population growth rate (average annual %)	in
Urban population (% of total population)	in
Urban population growth rate (average annual %)	in
Life expectancy at birth (females/males, years)	varchar(10
Population age distribution (0-14 / 60+ years, %)	varchar(10
Health: Total expenditure (% of GDP)	in
Health: Physicians (per 1000 pop.)	in

happiness

3	Country or region	varchar(50))
	Score	in	t
	Social support	in	t
	Healthy life expectancy	/ in	t
	Freedom to make life of	choices in	t
	Generosity	in	t
	Perceptions of corrupti	on in	t



THANKS!

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