Schema

Graphical user interface

Description automatically generated

API

(Threshold = number of days for new cases)

Information on countries by date

Example output:

/Data/ByDate/Countries?Date=2021-7-7&threshold=7

[

    {

        "countryID": 55,

        "countryName": "Afghanistan",

        "confirmedCases": 129021,

        "newCases": 21064,

        "deaths": 5415,

        "recovered": 77280,

        "population": 39943186,

        "vaccinated": 735213,

        "fullyVaccinated": 199250,

        "boosters": 0

    },…

]

Information on continents by date

/Data/ByDate/Continents?Date=2021-7-7&threshold=7

Example output:

[

    {

        "continent": "Asia",

        "confirmedCases": 61570654,

        "newCases": 2337632,

        "deaths": 934933,

        "recovered": 58062058,

        "population": 4760951754,

        "vaccinated": 1187736763,

        "fullyVaccinated": 197678403,

        "boosters": 2432506

    },…

]

Information on the world by date

/Data/ByDate/World?Date=2021-7-7&threshold=7

Example output:

/Data/ByDate/World?date=2021-9-9

{

    "confirmedCases": 223560578,

    "newCases": 8506989,

    "deaths": 4605343,

    "recovered": 1657483,

    "population": 7829114393,

    "vaccinated": 3281507893,

    "fullyVaccinated": 2324394973,

    "boosters": 23161770

}

Information for a specific country

start and end are the date range for the information

Data/Countries/115?start=(date)&end=(date)

"name": "Germany",

    "continent": "Europe",

      "pData": {

        "2020": {

            "population": 83783945,

            "density": 240.372,

            "povertyRate": **null**,

            "diabetesRate": 8.31,

            "medianAge": 46.6

        },

        "2021": {

            "population": 83720248,

            "density": 240.189,

            "povertyRate": **null**,

            "diabetesRate": 8.31,

            "medianAge": 46.6

        }

    },

    "diseaseData": [

        {

            "date": "2020-01-28",

            "confirmed": 4,

            "deaths": 0,

            "recovered": 0

        },…

],

"vaccineData": [

        {

            "date": "2020-12-15",

            "vaccinated": 28500,

            "fullyVaccinated": 28500,

            "boosters": **null**

        },…

]

/Data/Continents/South\_America?start=(date)&end=(date)

"populationsByYear": {

        "2020": 430457606,

        "2021": 434037528

    },

    "diseaseData": [

        {

            "date": "2020-01-23",

            "confirmed": 0,

            "deaths": 0,

            "recovered": 0

        },…

]

  "vaccineData": [

        {

            "date": "2020-12-31",

            "vaccinated": 8656,

            "fullyVaccinated": 0,

            "boosters": 0

        },…

]

}

/Data/World?start=(date)&end=(date)

"populationsByYear": {

        "2020": 7747900833,

        "2021": 7829114393

    },

    "diseaseData": [

        {

            "date": "2020-01-22",

            "confirmed": 556,

            "deaths": 17,

            "recovered": 30

        },…

]

 "vaccineData": [

        {

            "date": "2020-12-15",

            "vaccinated": 252625,

            "fullyVaccinated": 4287,

            "boosters": 0

        },…

]

/Data/ByDate/PopulationData?year=2020

{

    "55": {

        "density": 59.627,

        "povertyRate": **null**,

        "diabetesRate": 9.59,

        "medianAge": 18.6

    },

    "98": {

        "density": 105.029,

        "povertyRate": 1.1,

        "diabetesRate": 10.08,

        "medianAge": 38

    },

…

}

**/Data/AddCovidReport**

Inserts more disease reports into the database

Input: CSV file delimited with commas. Contains the fields “country\_region”, “confirmed”, “deaths”, “recovered”. File name should be the date in the format mm-dd-yyyy.csv

Should be one of the files from here:

<https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data/csse_covid_19_daily_reports>

Must be logged in to use this.

**/Data/AddCovidReport?date=(date)**

Inserts vaccine reports into the database

Date: only reports from at least this date should be inserted

Input: CSV file delimited with commas. Contains the fields “location”, “date”, “people\_vaccinated”, “people\_fully\_vaccinated”, “total\_boosters”

Should be the Vaccinations.csv file from here:

<https://github.com/owid/covid-19-data/tree/master/public/data/vaccinations>

Must be logged in to use this.

**/User/Login**

Logs the user in.

Example input:

{

    "Name": "Yosi",

    "Password": "password"

}

**/User/Logout**

Logs the user out