Team blue

How did covid 19 impact the GDP and employment situation of different countries between 2019 and 2021?

Datasets

1. Worldwide unemployment 1960 - 2021 (.csv)
2. Worldwide GDP 2018 - 2022 (.csv)

Sources:

https://ilostat.ilo.org/data/country-profiles/

https://data.oecd.org/germany.htm#profile-jobs/

Example of the data structure

```
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
                        worldwide_GDP_2018-2022.csv
 LOCATION  |  INDICATOR  |  SUBJECT  |  MEASURE  |  FREQUENCY  |  TIME  |    Value    |  Flag Codes  |
------------------------------------------------------------------------------------------------------
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1960  |  25071,833  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1961  |  25363,455  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1962  |  27953,904  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1963  |  30431,547  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1964  |  32742,466  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1965  |  34538,087  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1966  |  38340,322  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1967  |  41063,061  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1968  |  46555,241  |              |
      AUS  |       GDP   |     TOT   |  MLN_USD  |         A   |  1969  |  52208,329  |              |
      ...  |       ...   |     ...   |     ...   |       ...   |  ...   |      ...    |       ...    |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2011  |  2728,699987 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2012  |  2798,104708 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2013  |  2797,721619 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2014  |  2881,298928 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2015  |  3017,267768 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2016  |  3116,185752 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2017  |  3238,212275 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2018  |  3416,171427 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2019  |  3530,096494 |             |
      SEN  |       GDP   |     TOT   |  USD_CAP  |         A   |  2020  |  3513,149951 |             |
```

Extraction

Library: "Tablesaw"

- provides csv reader with customizable separator
- Stores data in a table like data structure
- Provides tools to access rows and columns
- In future: insert into rational database structure e.g SQLite

Example of data structure in tablesaw