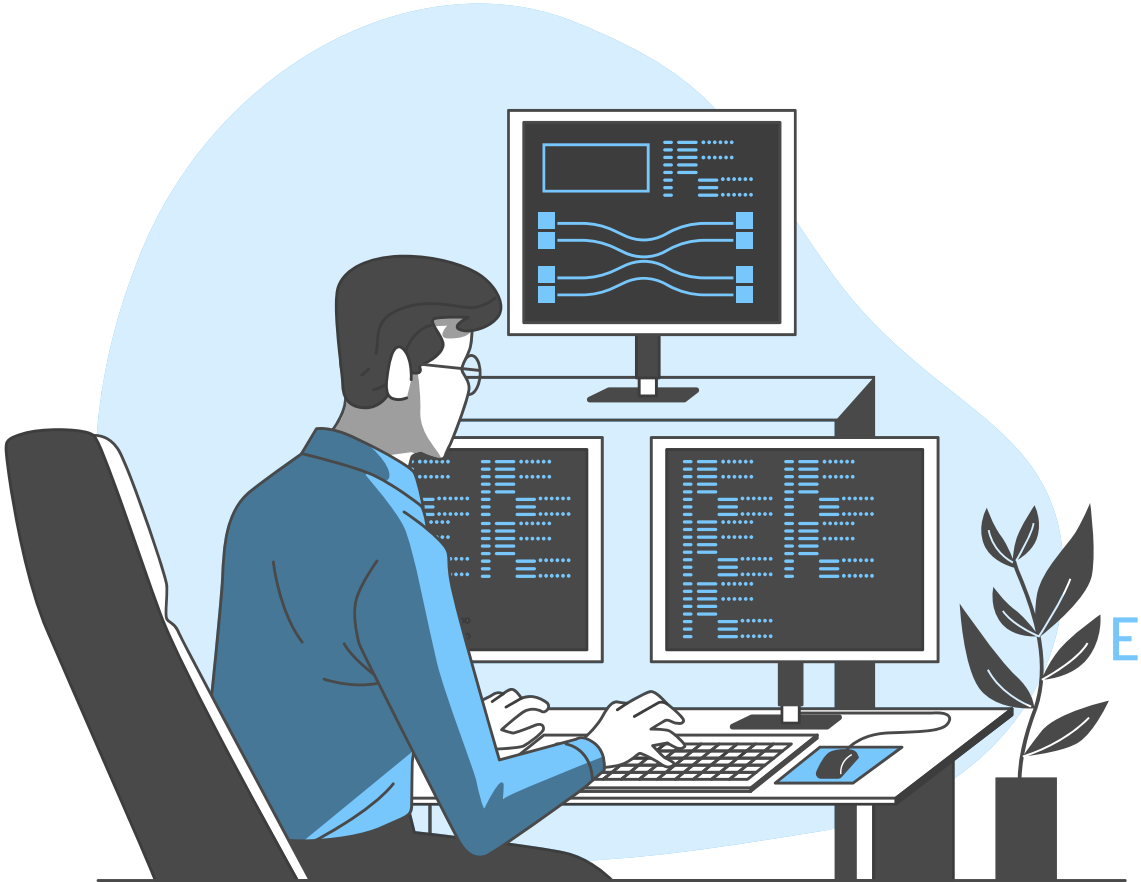
Boubacar Traoré



Ironhack week 2 project

EMPLOYABILTY : Create a composite indicator

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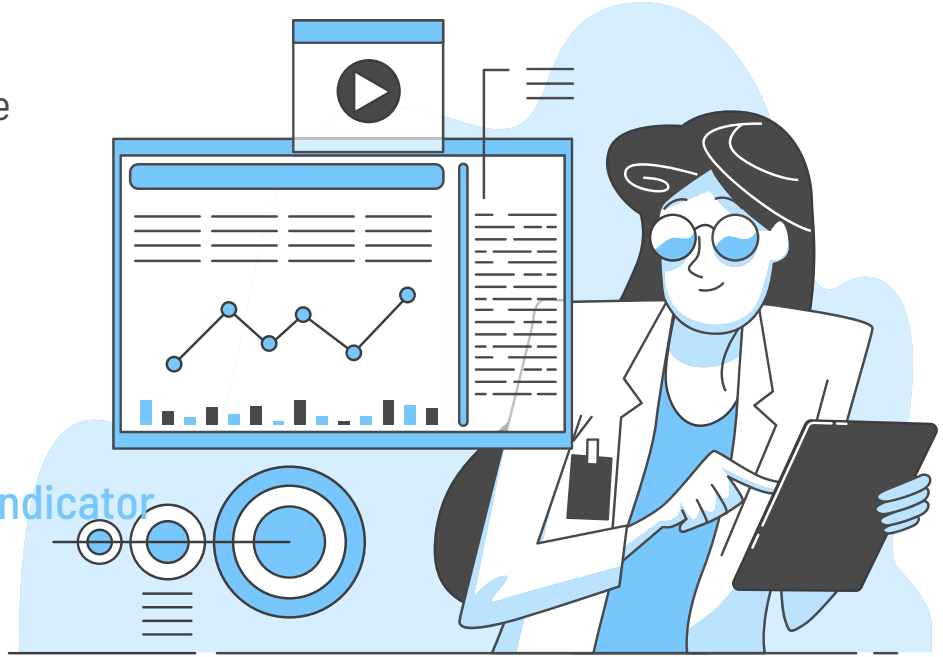


01
Project setup

Choose a subject

Employabilty : comparing the employability of differents countries

Planning the project

Using Jira

As the planning tool

...

Decomposing the steps

...

Assigning tasks

...

Development environment

Python

As the programming language

...

Visual studio code

As a code editor

...

MySQL

As a SQL editor

...

02

Collecting the data

API & WEB-SCRAPPING

The differents parameters of our composite indicator

01

Total unemployment rate

With the World Bank API

02

Youth (15-24) unemployment rate

World bank API

03

Women unemployment rate

World Bank API

The differents parameters of our composite indicator

04

unemployment with basic education rate

OECD scrapping

05

Unemployment with secondary education rate

OECD scrapping

06

unemployment with tertiary education rate

OECD Scrapping

07

Average amount of labor in a year

Wikipedia scrapping

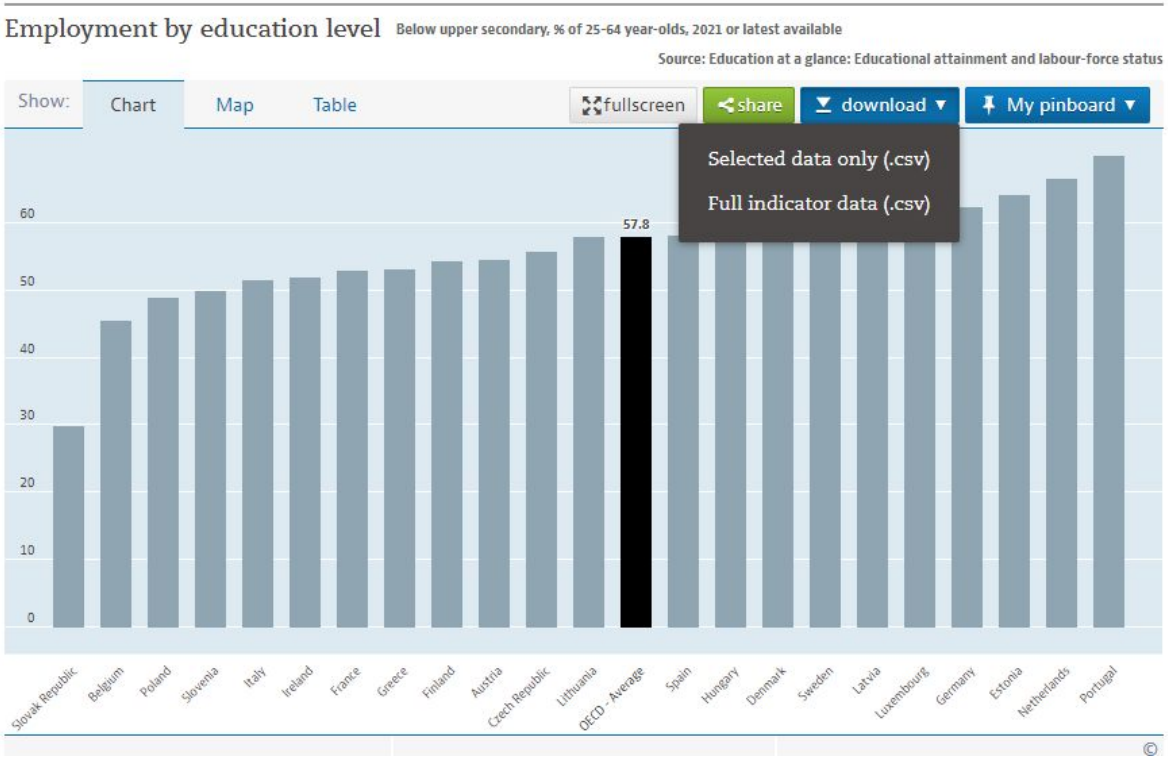
WORLD BANK API

```
unemployment = wb.data.DataFrame('SL.UEM.BASC.ZS', wb.region.members('EMU'), time = [2020])
unemployment
```

[8] ✓ 0.8s

economy	SL.UEM.BASC.ZS
AUT	12.200000
BEL	11.760000
CYP	6.990000
DEU	9.160000
ESP	21.309999
EST	13.570000
FIN	18.790001
FRA	14.010000
GRC	18.590000
IRL	8.050000
ITA	12.660000
LTU	22.480000
LUX	11.240000
LVA	18.360001
MLT	5.940000
NLD	6.690000
PRT	6.390000
SVK	30.540001
SVN	10.960000

Web scrapping from OECD



Web scrapping from Wikipedia

```
import pandas as pd
df = pd.read_html("https://en.wikipedia.org/wiki/List_of_countries_by_unemployment_rate")
df[1]
```

[1]

	Country	15-24 year-olds	25-70 year-olds	Total
0	Australia*	14.5	5.6	6.9
1	Austria*	9.4	5.0	5.5
2	Belgium*	18.3	4.2	5.2
3	Canada*	18.8	7.3	8.9
4	Chile*	27.3	10.8	12.0
5	Colombia*	25.8	14.7	16.6
6	Czech Republic*	8.1	2.5	2.8
7	Denmark*	11.9	5.1	6.1
8	Estonia*	20.9	6.9	8.0
9	Euro area (19 countries)	17.6	7.4	8.3
10	European Union (27 countries, 2020)	17.1	6.6	7.5
11	Finland*	19.8	7.0	8.4
12	France*	19.6	6.6	7.9
13	G7	12.8	5.6	6.5
14	Germany*	6.0	4.4	4.5
15	Greece*	39.3	15.8	16.8
16	Hungary*	12.4	3.9	4.4
17	Iceland*	10.7	4.7	5.6
18	Ireland*	18.9	3.8	5.4
19	Israel*	8.2	4.1	4.7

03

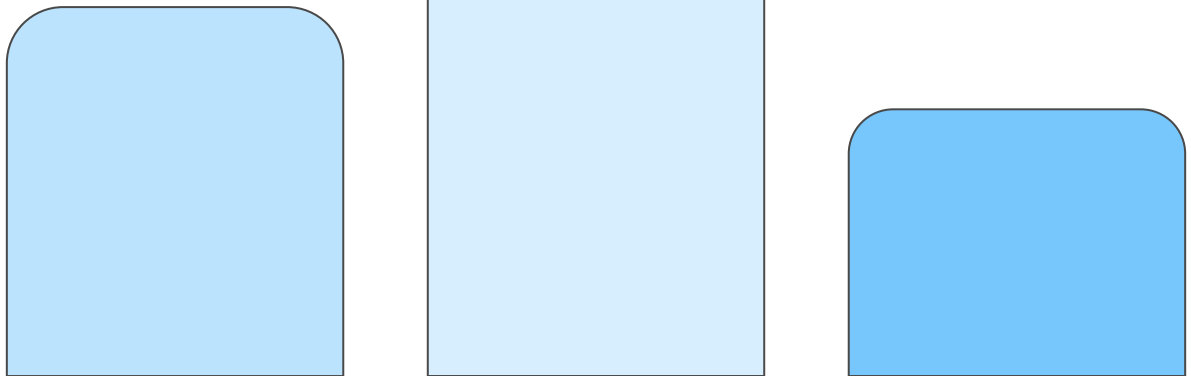
MySQL

Awards

Germany

Netherlands

Austria



Thanks for watching

Q & A