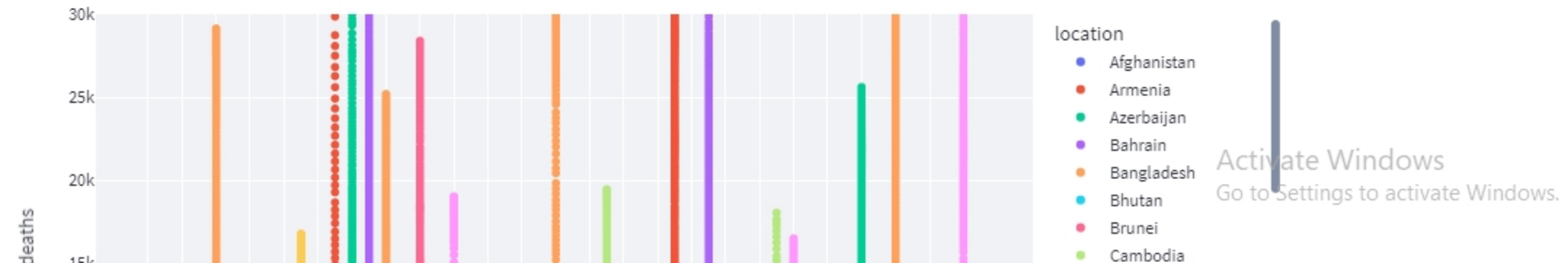
Case Study: Implementing plotly for Covid data worldwide and drawing interactive graphs

	iso_code	continent	location	date	total_cases	new_cases	new_case
0	AFG	Asia	Afghanistan	24-02-20	5.0000	5.0000	
1	AFG	Asia	Afghanistan	25-02-20	5.0000	0.0000	
2	AFG	Asia	Afghanistan	26-02-20	5.0000	0.0000	
3	AFG	Asia	Afghanistan	27-02-20	5.0000	0.0000	
4	AFG	Asia	Afghanistan	28-02-20	5.0000	0.0000	
5	AFG	Asia	Afghanistan	29-02-20	5.0000	0.0000	
6	AFG	Asia	Afghanistan	01-03-20	5.0000	0.0000	
7	AFG	Asia	Afghanistan	02-03-20	5.0000	0.0000	
8	AFG	Asia	Afghanistan	03-03-20	5.0000	0.0000	
9	AFG	Asia	Afghanistan	04-03-20	5.0000	0.0000	

Which continent should we plot?

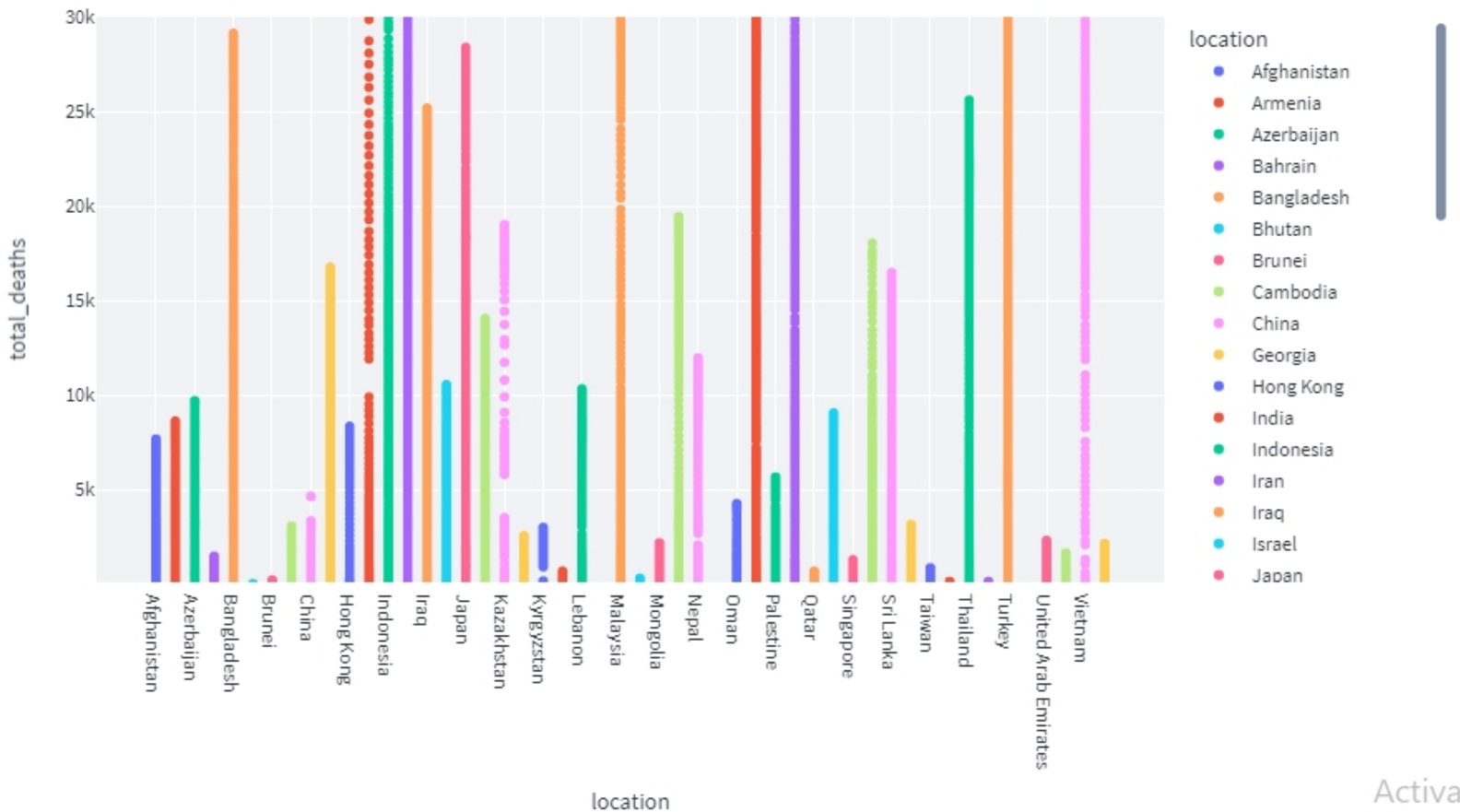
Asia



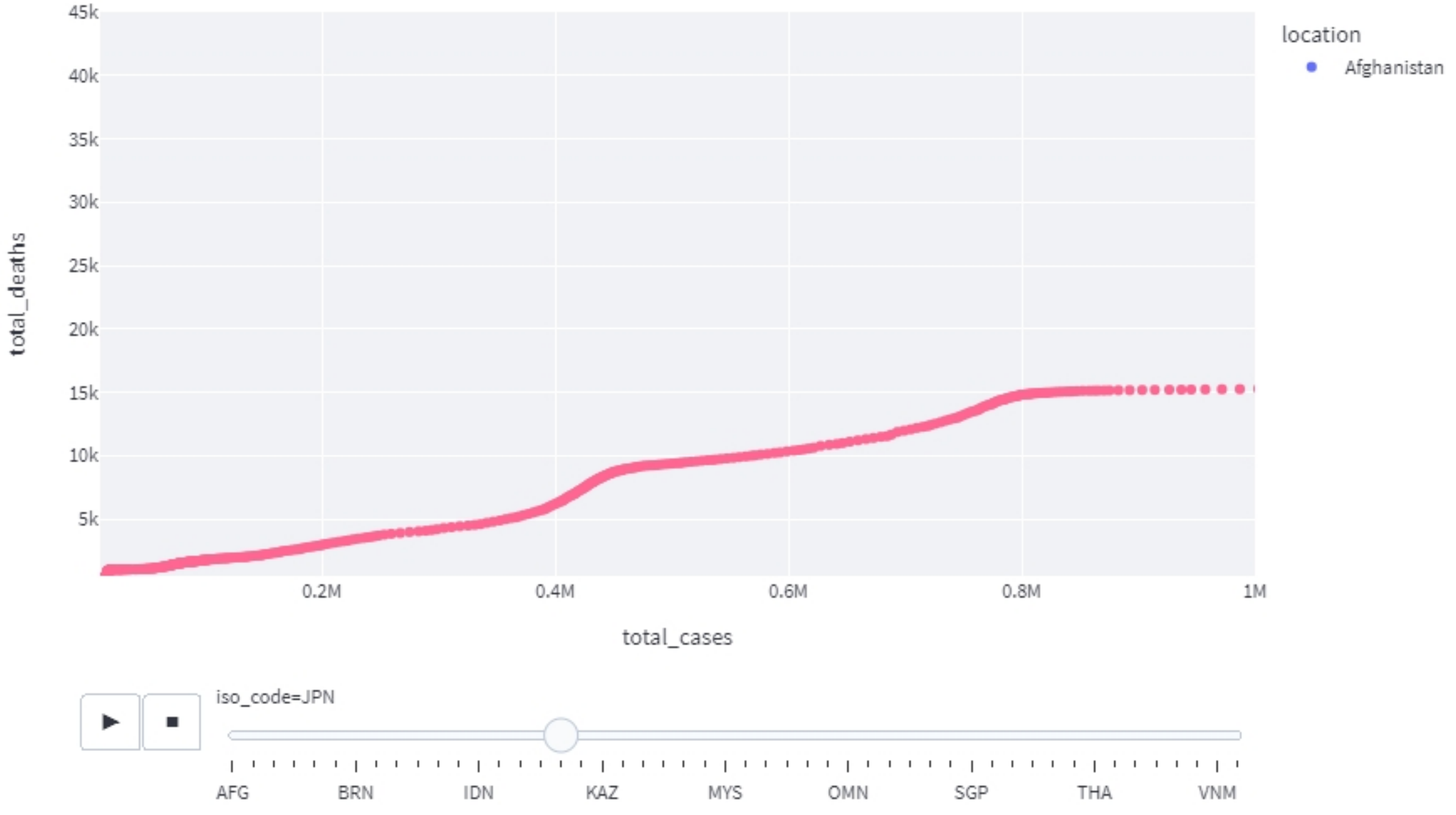
Activate Windows
Go to Settings to activate Windows.

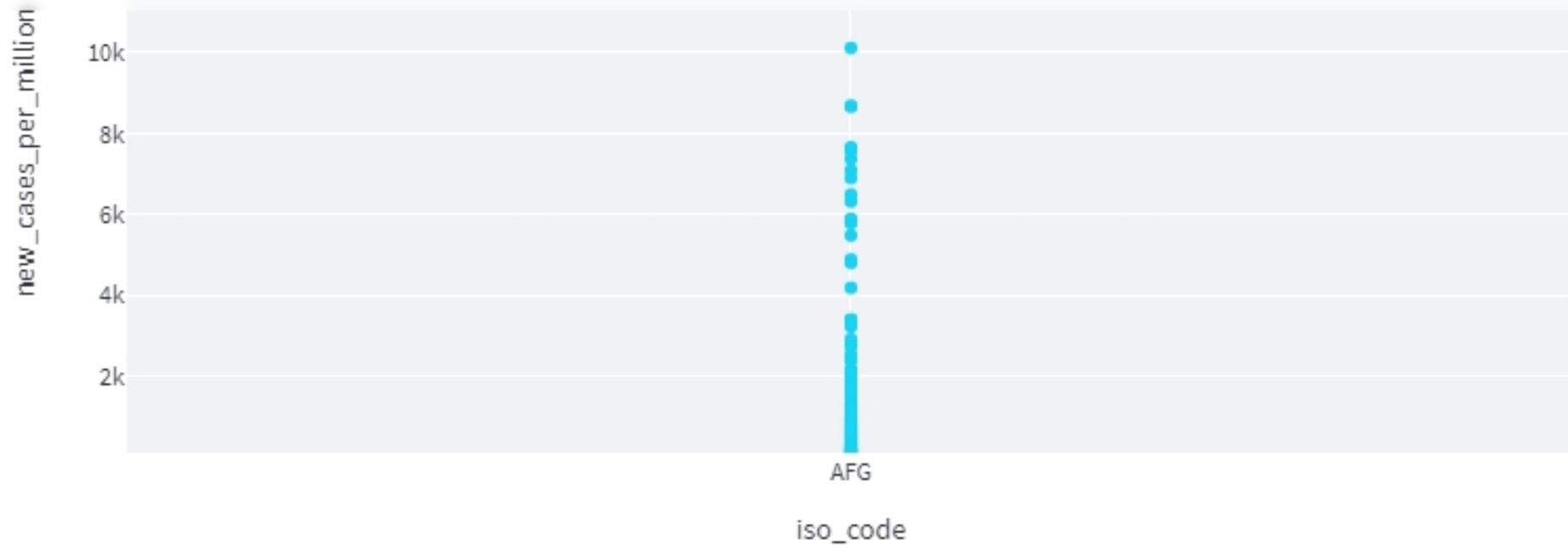
Which continent should we plot?

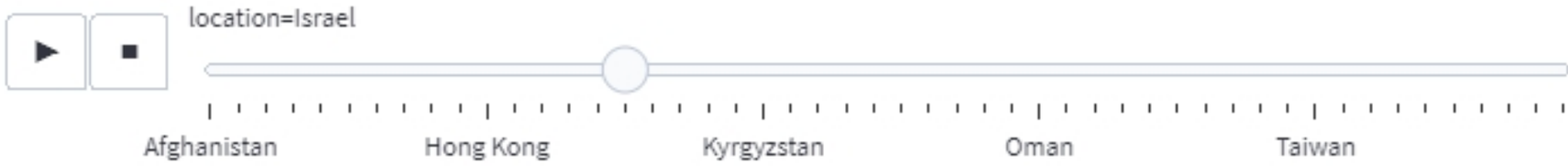
Asia

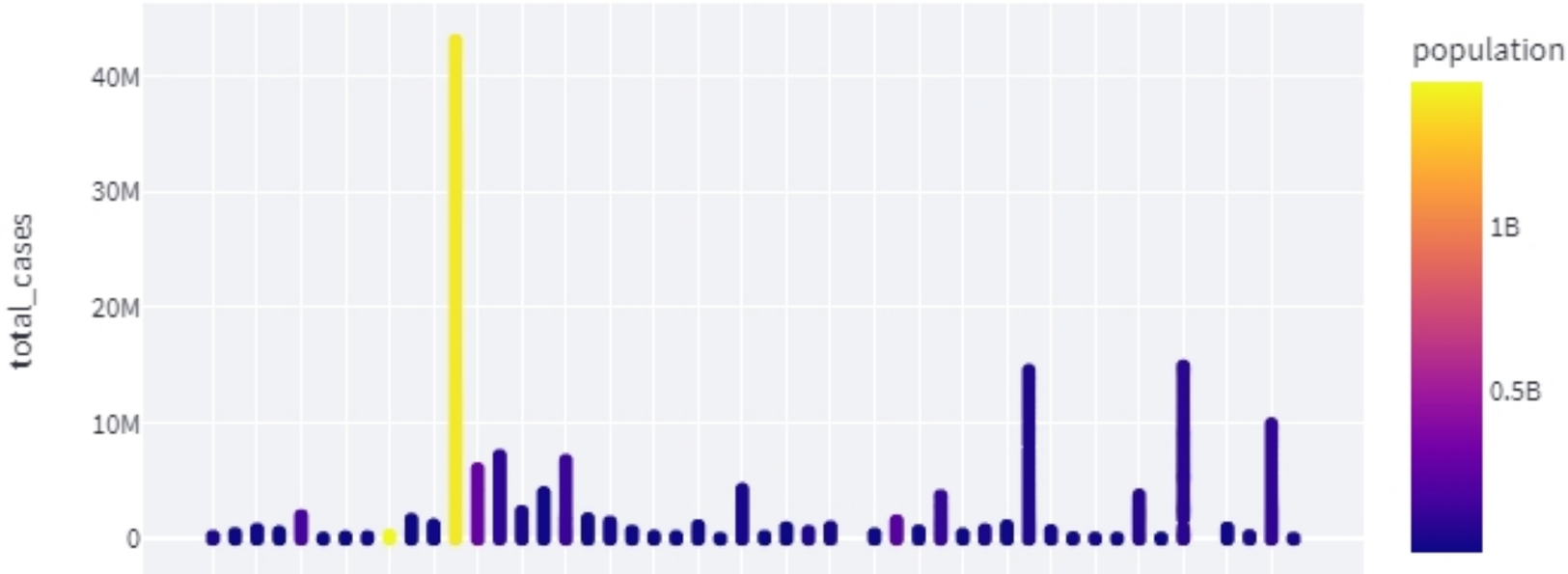


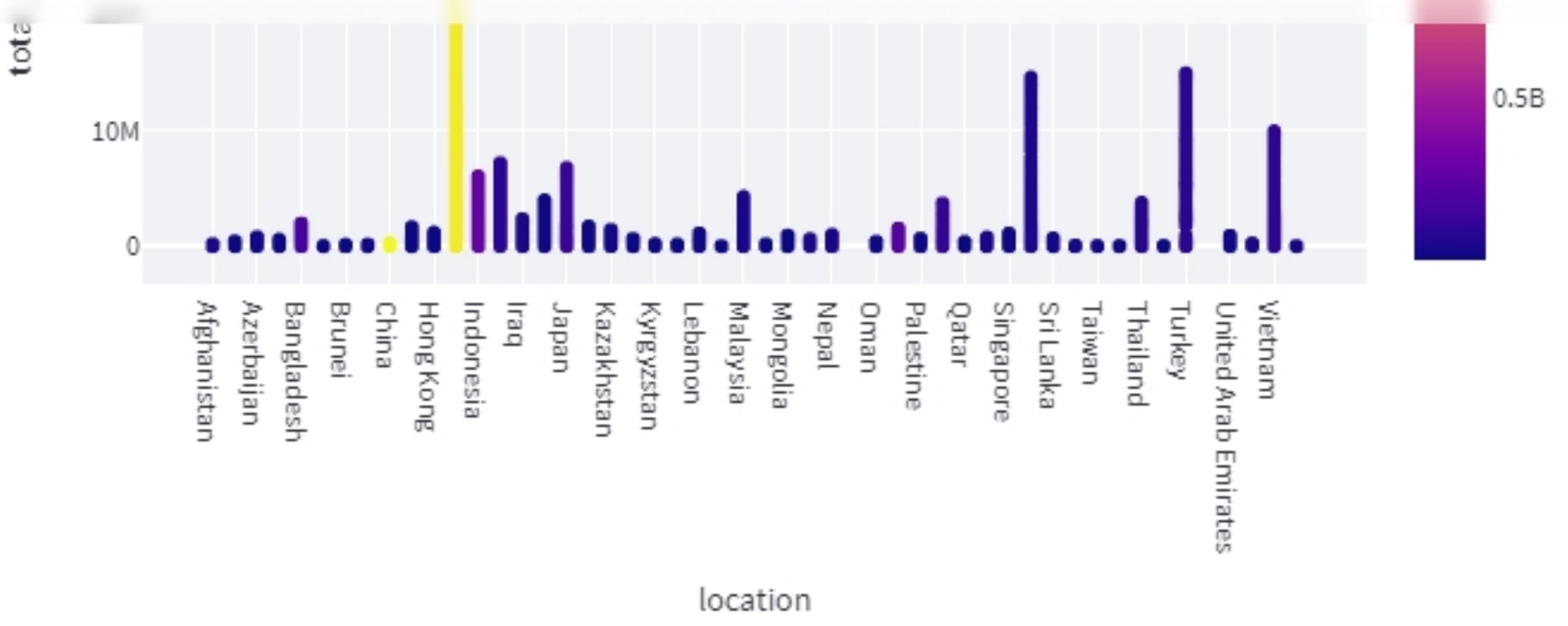
Activate Windows
Go to Settings to activate

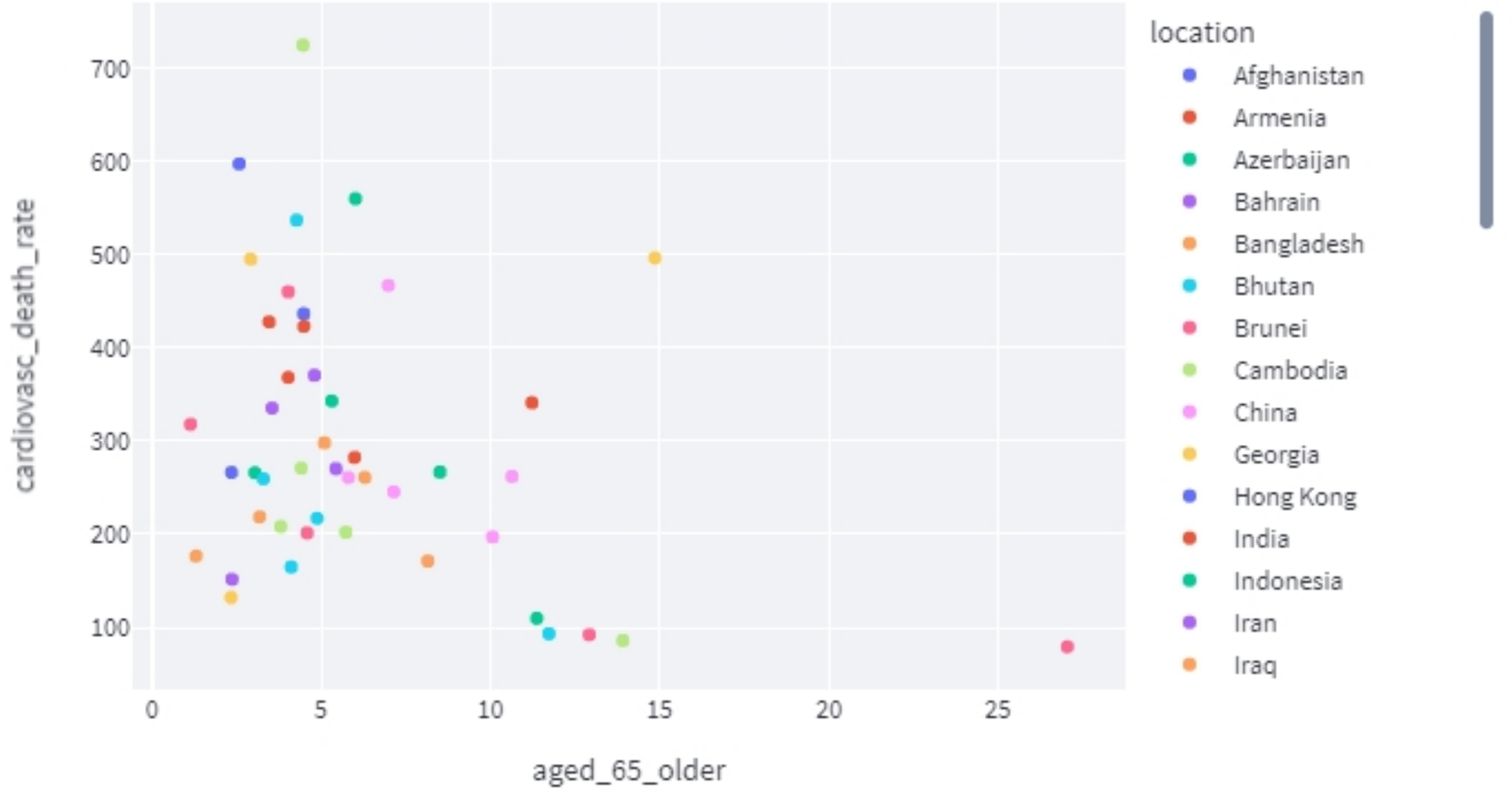

45k
40k
35k
30k
25k
20k
15k
10k
5k
total_deaths
0.2M
0.4M
0.6M
0.8M
1M
total_cases
location
Afghanistan
iso_code=JPN
AFG
BRN
IDN
KAZ
MYS
OMN
SGP
THA
VNM


new_cases_per_million
10k
8k
6k
4k
2k
AFG
iso_code


location=Israel
Afghanistan
Hong Kong
Kyrgyzstan
Oman
Taiwan


total_cases
40M
30M
20M
10M
0
population
1B
0.5B


10M
0
0.5B
Afghanistan
Azerbaijan
Bangladesh
Brunei
China
Hong Kong
Indonesia
Iraq
Japan
Kazakhstan
Kyrgyzstan
Lebanon
Malaysia
Mongolia
Nepal
Oman
Palestine
Qatar
Singapore
Sri Lanka
Taiwan
Thailand
Turkey
United Arab Emirates
Vietnam
location


cardiovasc_death_rate
700
600
500
400
300
200
100
0
5
10
15
20
25
aged_65_older
location
Afghanistan
Armenia
Azerbaijan
Bahrain
Bangladesh
Bhutan
Brunei
Cambodia
China
Georgia
Hong Kong
India
Indonesia
Iran
Iraq

Upload your dataset (.csv)

Upload your file

Drag and drop file here

Limit 200MB per file • CSV

Browse files

PlantGrowth.csv

0.5KB

Example CSV file

Exploratory Data Analysis Web Application

This app is developed by Codanics youtube channel called **EDA App**

Input Df

	Unnamed: 0	weight	group
0	1	4.1700	ctrl
1	2	5.5800	ctrl
2	3	5.1800	ctrl
3	4	6.1100	ctrl
4	5	4.5000	ctrl
5	6	4.6100	ctrl
6	7	5.1700	ctrl
7	8	4.5300	ctrl
8	9	5.3300	ctrl
9	10	5.1400	ctrl

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Upload your dataset (.csv)

Upload your file

Drag and drop file here

Limit 200MB per file • CSV

Browse files

PlantGrowth.csv

0.5KB

Example CSV file

Overview

Overview | Alerts 6 | Reproduction

Dataset statistics

Number of variables	3
Number of observations	30
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	2.4 KiB
Average record size in memory	81.3 B

Variable types

Numeric	2
Categorical	1

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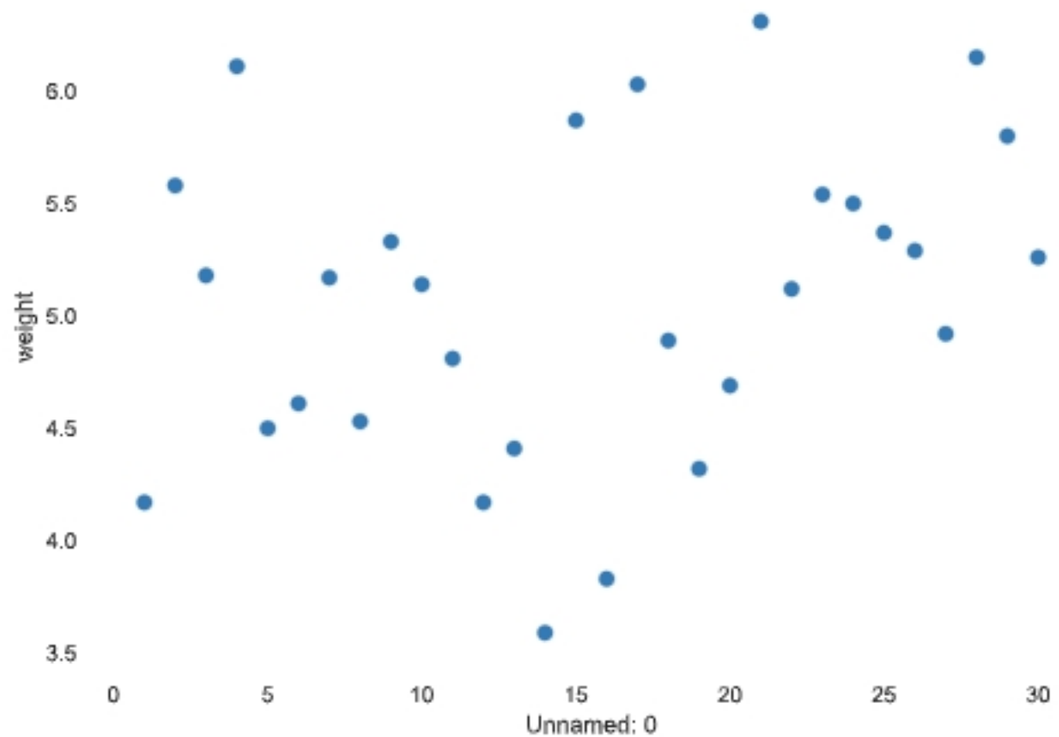
Variables

Unnamed: 0 | weight

weight | Unnamed: 0



Correlations

Activate Windows
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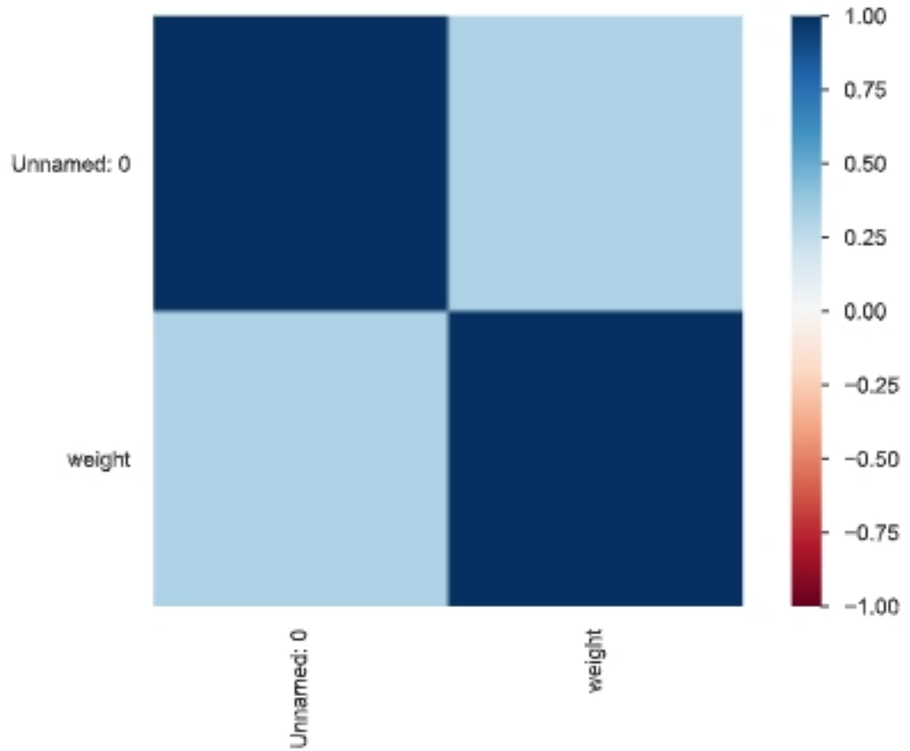
Correlations

Spearman's ρ | Pearson's r | Kendall's τ | Phik (φk) | Toggle correlation descriptions



Missing values

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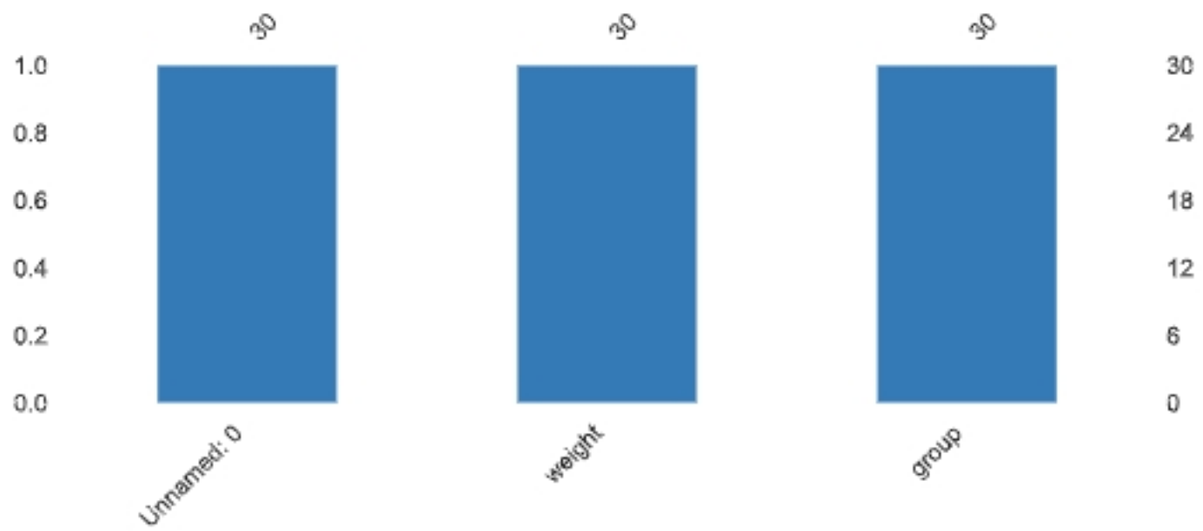
Missing values

Count | Matrix



A simple visualization of nullity by column.

Sample

First rows

Unnamed: 0	weight	group

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This app is developed by Codanics youtube channel called **EDA App**

Upload your dataset (.csv)

Upload your file

Drag and drop file here

Limit 200MB per file • CSV

Browse files

mldata (1).csv

6.0KB

Example CSV file

Input Df

	age	height	weight	gender	likeness
0	27	170.6880	76.0000	Male	Biryani
1	41	165.0000	70.0000	Male	Biryani
2	29	171.0000	80.0000	Male	Biryani
3	27	173.0000	102.0000	Male	Biryani
4	29	164.0000	67.0000	Male	Biryani
5	28	174.0000	46.0000	Female	Biryani
6	27	151.0000	64.3000	Female	Biryani
7	34	176.5000	98.0000	Male	Biryani
8	32	181.0000	87.5000	Male	Biryani
9	22	184.5000	80.0000	Male	Biryani

Profiling report with pandas

Overview

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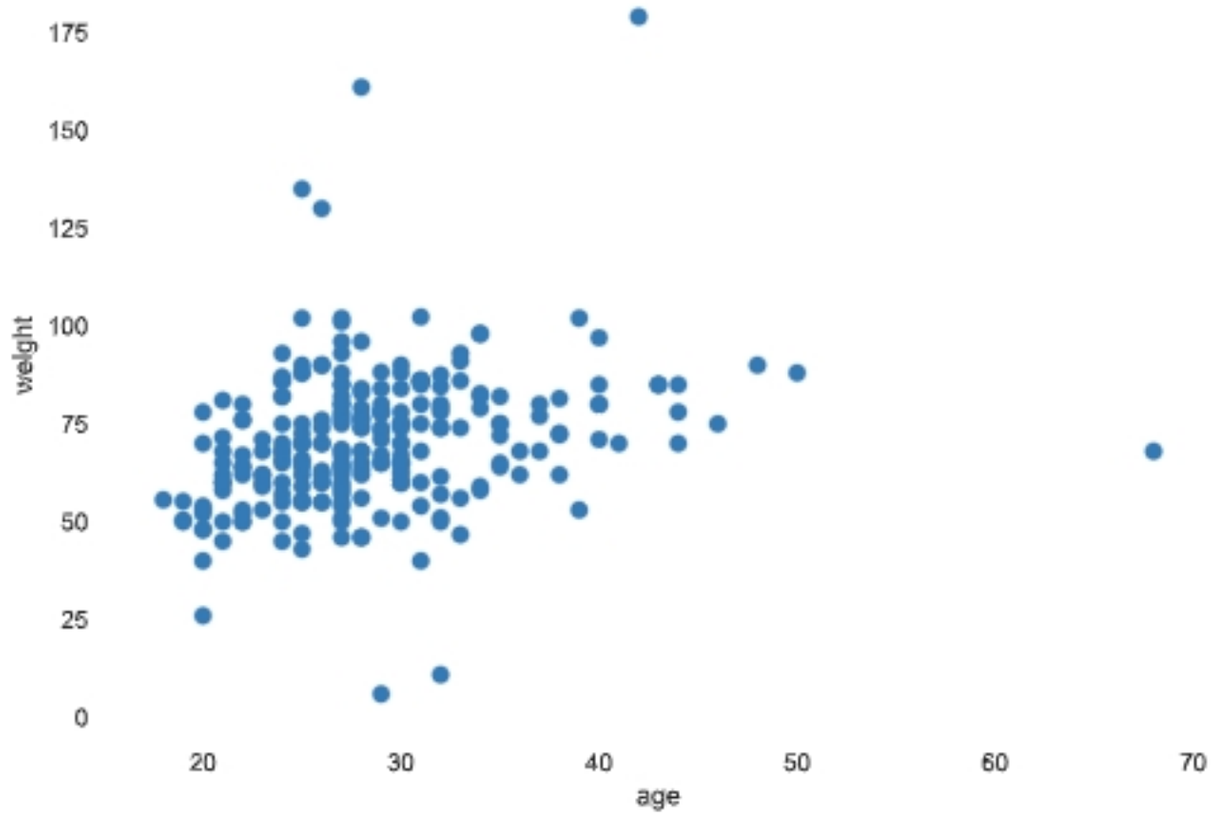
Interactions

age | height | weight

weight | age | height

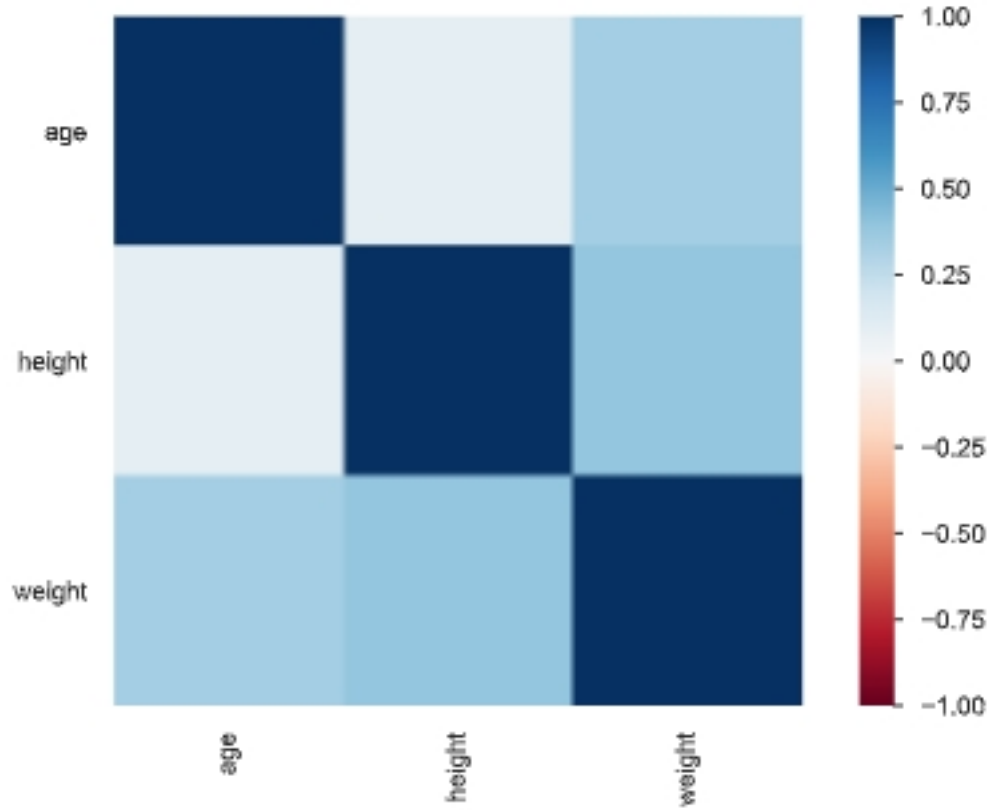


Activate
Go to Settir

Correlations

Spearman's ρ | Pearson's r | Kendall's τ | Cramér's V (φc) | Phik (φk)

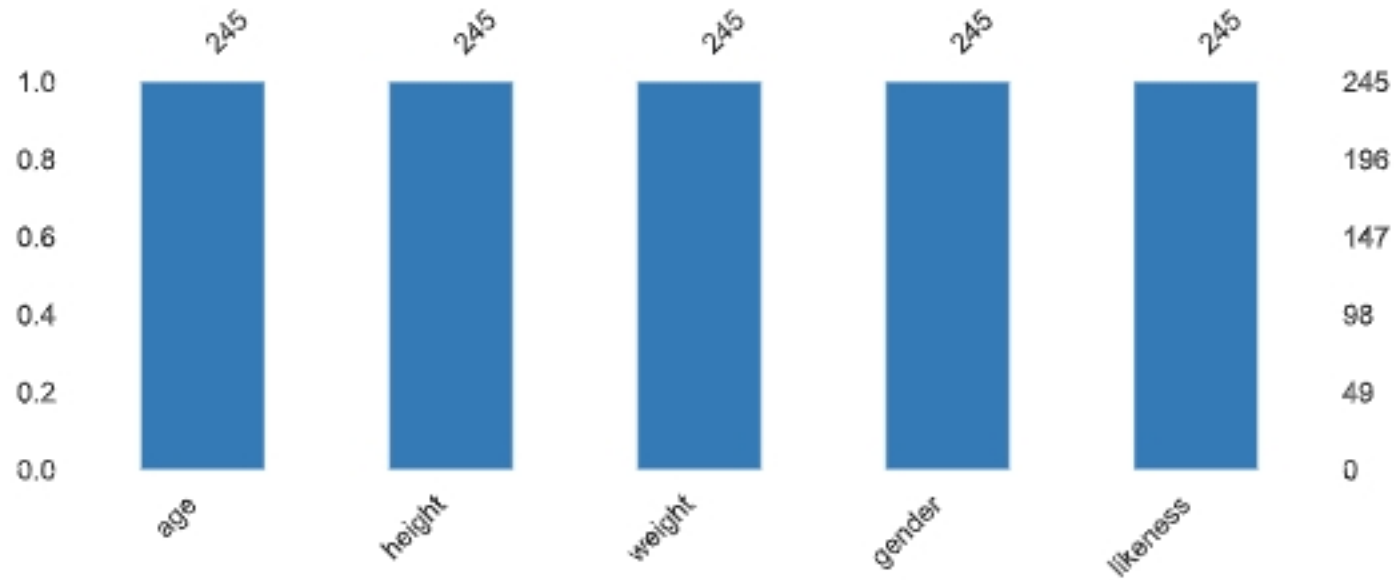
Toggle correlation descriptions



Activate

Missing values

Count | Matrix



A simple visualization of nullity by column.

Sample