CO2 Viz

20201030
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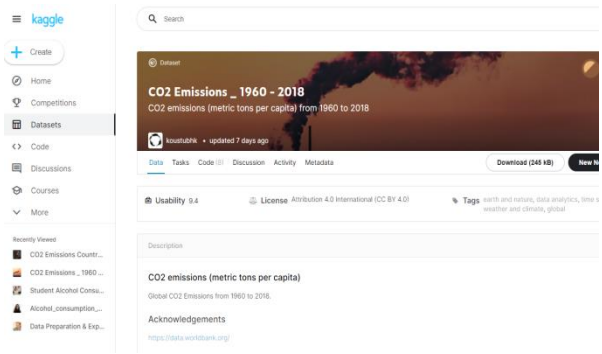
About X



I choose to represent the data about CO2 Emissions by countries in 1960-2018.
To visualize more remarkable data, I delete some rows that have a missing value.
The process to delete missing value is - the way if the average of CO2 is not bigger than 3, then It'll be not assumed to a normal value.

```
In [31]: df.mean(axis=1)
```
executed in 28ms, finished 01:12:54 2021-11-02

```
Out[31]: 1      1.089405
         2      0.145382
         3      0.440692
         4      0.687540
         5      1.660433
                  ...
         257    0.716099
         259    4.109284
         260    0.693014
         262    0.442130
         263    7.497467
         Length: 191, dtype: float64
```

```
In [36]: indexNames = df[ (df.mean(axis=1) > 3) ]
         indexNames
```
executed in 68ms, finished 01:15:16 2021-11-02

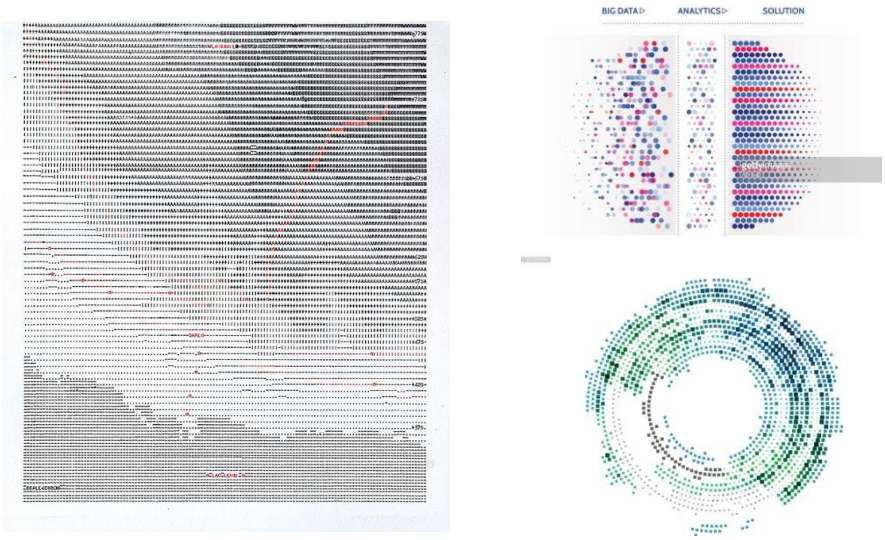
Out[36]:

	Country Name	1960	1961	1962	1963	1964	1965	1966	1967	1968	...	2009	2010	2011	
8	United Arab Emirates	0.119037	0.109136	0.163542	0.175833	0.132815	0.146822	0.160452	5.400016	6.807102	...	19.852557	19.043279	18.589933	19.2
9	Argentina	2.383343	2.458551	2.538447	2.330685	2.553442	2.656466	2.806896	2.871099	2.981777	...	3.889060	4.122245	4.296015	4.2
12	Antigua and Barbuda	0.677418	0.866667	1.838457	1.487469	1.590448	2.561321	5.814611	9.221391	15.835612	...	16.024348	5.566284	5.714286	7.9
13	Australia	8.582937	8.641569	8.835688	9.226440	9.759073	10.622321	10.328092	10.955625	11.210168	...	18.207425	17.581445	17.268110	16.9
14	Austria	4.373319	4.496362	4.755362	5.155194	5.391004	5.252197	5.361725	5.417737	5.711110	...	7.721144	8.365015	8.135475	7.7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
249	Upper middle income	2.573291	2.408432	2.370116	2.435563	2.523331	2.630170	2.741215	2.721413	2.789010	...	5.278427	5.679651	6.056411	6.1
251	United States	15.999779	15.681256	16.013937	16.482762	16.968119	17.451725	18.121073	18.598318	19.089389	...	16.818868	17.434196	16.599404	15.7
254	Venezuela, RB	7.009414	6.153191	6.188716	6.208593	6.041541	6.271781	5.690063	6.352989	6.132864	...	5.848166	6.026735	5.891053	6.2
259	World	3.121158	3.068090	3.114839	3.221195	3.324046	3.432395	3.534191	3.585995	3.704543	...	4.277131	4.483148	4.570123	4.5
263	South Africa	5.727223	5.832621	5.887168	5.961337	6.332343	6.616545	6.453858	6.560824	6.593620	...	8.004039	8.300179	7.867124	8.0

72 rows × 60 columns

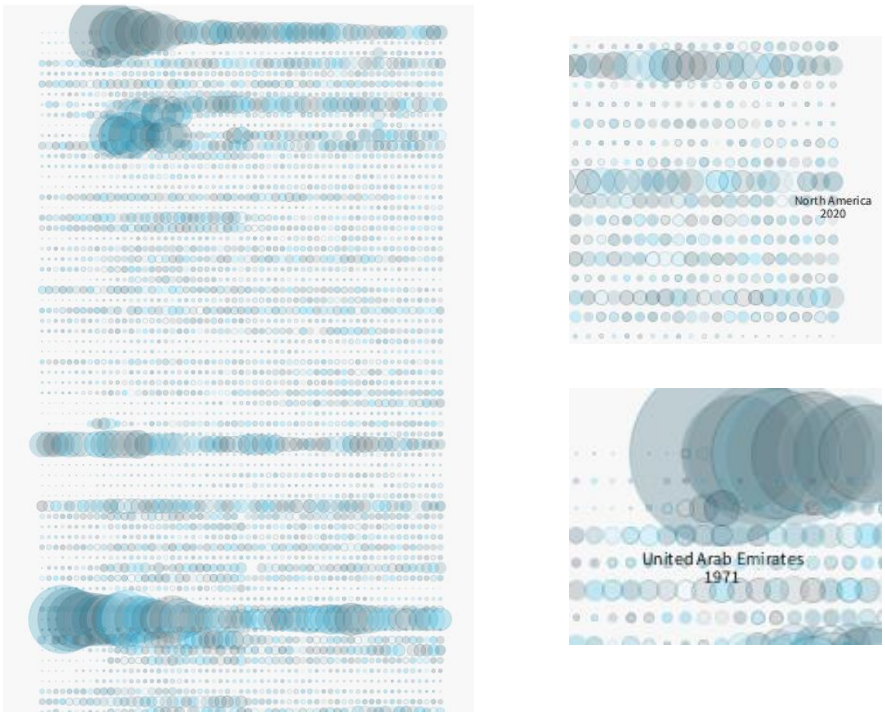
```
In [37]: indexNames.to_csv("data_.csv")
```
executed in 32ms, finished 01:15:21 2021-11-02

Motive



The motive to make ‘co2 viz’ is from some cool data visualization art with dot.

Screenshot



Each row means certain countries’ Co2 history. In a row, it contains 1961-2018 year’s Co2 data. Also if you clicked over the circle, it shows certain country and year.