

Workbook

February 9, 2023

```
[1]: from universities_analysis.data import *
from universities_analysis.read import *

df = read_data()
df
```

PUBLISHED

```
[1]:      NationalRank  RegionalRank  Rank2022  Rank2021  \
0          1.00000      1.00000      1.00000      1.00000
1          1.00000      1.00000      2.00000      5.00000
2          2.00000      2.00000      3.00000      2.00000
...          ...          ...          ...          ...
1297        6.00000      58.00000  1201.00000  1001.00000
1298       16.00000      72.00000  1201.00000  1001.00000
1299        9.00000      58.00000  1201.00000         NaN
```

```
      InstitutionName  LocationCode  \
0  Massachusetts Institute of Technology (MIT)      US
1                University of Oxford      UK
2                Stanford University      US
...          ...          ...
1297                Yarmouk University      JO
1298                Yildiz Technical University      TR
1299                Zagazig University      EG
```

```
      LocationCountry  ClassificationSize  ClassificationFocus  ClassificationRes  \
0      United States          M          CO          VH
1      United Kingdom          L          FC          VH
2      United States          L          FC          VH
...          ...          ...          ...
1297      Jordan          XL          FC          MD
1298      Turkey          XL          CO          HI
1299      Egypt          XL          FC          HI
```

```
      ClassificationAge  ClassificationStatus  AcademicReputatationScore  \
0          5          B          100.00000
1          5          A          100.00000
```

2	5	B	100.00000
...
1297	3	A	9.30000
1298	5	A	5.60000
1299	3	A	4.70000

	AcademicReputatationRank	EmployerReputationScore \
0	5.00000	100.00000
1	3.00000	100.00000
2	4.00000	100.00000
...
1297	501.00000	10.20000
1298	501.00000	10.50000
1299	501.00000	2.80000

	EmployerReputationRank	FacultyStudentScore	FacultyStudentRank \
0	4.00000	100.00000	12.00000
1	3.00000	100.00000	5.00000
2	5.00000	100.00000	9.00000
...
1297	501.00000	1.90000	601.00000
1298	501.00000	6.10000	601.00000
1299	501.00000	3.40000	601.00000

	CitationsPerFacultyScore	CitationsPerFacultyRank \
0	100.00000	6.00000
1	96.00000	34.00000
2	99.90000	10.00000
...
1297	2.20000	601.00000
1298	5.40000	601.00000
1299	2.20000	601.00000

	InternationalFacultyScore	InternationalFacultyRank \
0	100.00000	45.00000
1	99.50000	83.00000
2	99.80000	73.00000
...
1297	1.20000	601.00000
1298	1.10000	601.00000
1299	1.00000	601.00000

	InternationalStudentsScore	InternationalStudentsRank	OverallScore
0	91.40000	105.00000	100.00000
1	98.50000	52.00000	99.50000
2	67.00000	208.00000	98.70000
...

1297	11.00000	601.00000	NaN
1298	8.90000	601.00000	NaN
1299	1.90000	601.00000	NaN

[1300 rows x 25 columns]

```
[2]: with show:
      BST_SCORES
      BST_SCORES.iloc[:10].select_dtypes(float).mean()
```

```
[2]:
```

	Name	Rank2022	Score
0	Nottingham Trent University	900.50000	NaN
1	Ritsumeikan University	775.50000	NaN
2	University of Westminster	725.50000	NaN
3	Smith College	625.50000	NaN
4	Kingston University London	625.50000	NaN
5	Michigan State University	157.00000	49.70000
6	University of Waterloo	149.00000	50.50000
7	Kyushu University	137.00000	53.30000
8	Leiden University	112.00000	57.00000
9	Utrecht University	110.00000	57.50000
10	The University of Sheffield	95.00000	61.60000
11	University of Birmingham	90.00000	62.90000
12	Durham University	82.00000	65.20000
13	University of Southampton	77.00000	65.70000
14	London School of Economics	49.00000	75.80000
15	The University of British Columbia	46.00000	77.10000
16	King's College London	35.00000	82.00000
17	University of Toronto	26.00000	85.30000
18	Columbia University	19.00000	88.70000
19	University College London	8.00000	95.40000
20	Imperial College London	7.00000	97.30000
21	University of Oxford	2.00000	99.50000
22	California College of the Arts	NaN	NaN
23	Liverpool Hope University	NaN	NaN
24	Maastricht University	NaN	NaN
25	United International Business Schools	NaN	NaN
26	University of Toronto Scarborough	NaN	NaN
27	University of the Arts London	NaN	NaN

```
[2]: Rank2022    431.75000
      Score      53.60000
      dtype: float64
```

```
[3]: with show:
      LFIT_SCORES
      LFIT_SCORES.iloc[:10].select_dtypes(float).mean()
```

[3]:

	Name	Rank2022	Score
0	Ferrandi International Hospitality Management ...	900.50000	NaN
1	Temple University	775.50000	NaN
2	Université d'Assas -Paris-II	625.50000	NaN
3	Università Cattolica del Sacro Cuore	555.50000	NaN
4	Concordia University	525.50000	NaN
5	Sciences-Po Paris	261.00000	37.30000
6	Waseda University	203.00000	43.30000
7	Keio University	201.00000	43.90000
8	Université de Louvain	188.00000	45.60000
9	University of Rotterdam	179.00000	46.30000
10	Ecole Polytechnique Fédérale de Lausanne	176.00000	46.60000
11	University of Gröningen	128.00000	54.80000
12	Université de Montréal	111.00000	57.30000
13	Universités de Paris La Sorbonne	72.00000	67.10000
14	Warwick University	61.00000	71.20000
15	University of Amsterdam	55.00000	73.80000
16	London School of Economics	49.00000	75.80000
17	Bachelor of the Ecole Polytechnique	49.00000	75.90000
18	University of British Columbia	46.00000	77.10000
19	King's College London	35.00000	82.00000
20	Mc Gill University	27.00000	84.00000
21	University of Toronto	26.00000	85.30000
22	Eidgenössische Technische Hochschule Zürich	8.00000	95.40000
23	University College of London	8.00000	95.40000
24	Imperial College	7.00000	97.30000
25	Cambridge University	3.00000	98.70000
26	Université René Descartes -Paris-V	NaN	NaN
27	University of Global Business	NaN	NaN
28	Universités de Technologie	NaN	NaN
29	Institut d'Administration des Entreprises	NaN	NaN
30	CPES Paris Sciences & Lettres + Lycée Henri-IV	NaN	NaN
31	Penninghen Institute of Art and Design	NaN	NaN
32	Olivier de Serres	NaN	NaN
33	Ecole du Louvre	NaN	NaN
34	Vatel International Hospitality Management School	NaN	NaN
35	ESSEC School of Management	NaN	NaN
36	ESCP Europe	NaN	NaN
37	EDHEC Business School	NaN	NaN
38	EM Lyon	NaN	NaN
39	IESEG School of Management	NaN	NaN
40	ENSA School of Architecture	NaN	NaN
41	INSA Lyon	NaN	NaN
42	ISIPCA Paris	NaN	NaN
43	ISTR Lyon	NaN	NaN
44	Hospitality Management School of The Hague	NaN	NaN
45	Ecole hôtelière de Lausanne	NaN	NaN

46	Université Libre	NaN	NaN
47	University of Mechelen	NaN	NaN
48	LUISS Guido Carli	NaN	NaN
49	Bocconi School of Management	NaN	NaN
50	HTW Berlin	NaN	NaN
51	München Universität	NaN	NaN
52	Musashino Art University	NaN	NaN
53	University of California	NaN	NaN
54	Middlebury College	NaN	NaN

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[3]: Rank2022    441.45000
     Score       43.28000
     dtype: float64
```