Raport

January 27, 2020

1 Punktacja czasopism w dyscyplinach AEE i ITT

Celem niniejszego dokumentu jest przedstawienie podstawowych informacji statystycznych o czasopismach piunktowanych przez MNISW (lista z lipca 2019). Przygotowane pliki bdzie atwo jednak skonwertowa na list z nowymi danymi.

```python
import pandas as pd
dane=pd.read_csv('../Analysis Data/Punktacja_MNISW_oraz_IF_dla_AEE_i_ITT.csv')
dane.set_index('Numer z listy MNISW',inplace=True)
dane['Punkty']=dane['Punkty'].astype('category')
dane.head()
```

[40]:
```
                                                          Tytu  \
Numer z listy MNISW
1                                                    2D Materials
6                         3D Printing and Additive Manufacturing
7                                                     3D Research
10                   4OR-A Quarterly Journal of Operations Research
76                       ACM Communications in Computer Algebra

                          issn      e-issn    AEE    ITT Punkty      IF
Numer z listy MNISW
1                    2053-1583  2053-1583   True  False    140   7.343
6                    2329-7662  2329-7670   True  False    100   3.259
7                    2092-6731  2092-6731   True   True     40     NaN
10                   1619-4500  1614-2411  False   True     70   2.056
76                   1932-2232  1932-2240   True   True     20     NaN
```

1.1 Czasopisma z AEE z podziaem na punktacje

```python
dane[dane.AEE].loc[:,['AEE','Punkty']].groupby(['Punkty']).count()
```

[30]:
```
           AEE
Punkty
20         505
40         396
70         391
100        262
```

```
140      170
200       70
```

[31]:
```python
print('Sumaryczna liczba czasopism w dyscyplinie AEE: '+str(sum(dane.AEE)))
```

Sumaryczna liczba czasopism w dyscyplinie AEE: 1794

1.2 Czasopisma z ITT z podziaem na punktacje

[32]:
```python
dane[dane.ITT].loc[:,['ITT','Punkty']].groupby(['Punkty']).count()
```

[32]:
```
        ITT
Punkty
20      606
40      475
70      494
100     386
140     249
200      85
```

[33]:
```python
print('Sumaryczna liczba czasopism w dyscyplinie ITT: '+str(sum(dane.ITT)))
```

Sumaryczna liczba czasopism w dyscyplinie ITT: 2295

1.3 Czasopisma z wspólne z podziaem na punktacje

[34]:
```python
dane[dane.AEE&dane.ITT].loc[:,['AEE','ITT','Punkty']].groupby(['Punkty']).
↪count()
```

[34]:
```
        AEE  ITT
Punkty
20      219  219
40      176  176
70      162  162
100     126  126
140      95   95
200      32   32
```

[16]:
```python
print('Sumaryczna liczba czasopism wspólnych dla obu dyscyplin: '+str(sum(dane.
↪ITT&dane.AEE)))
```
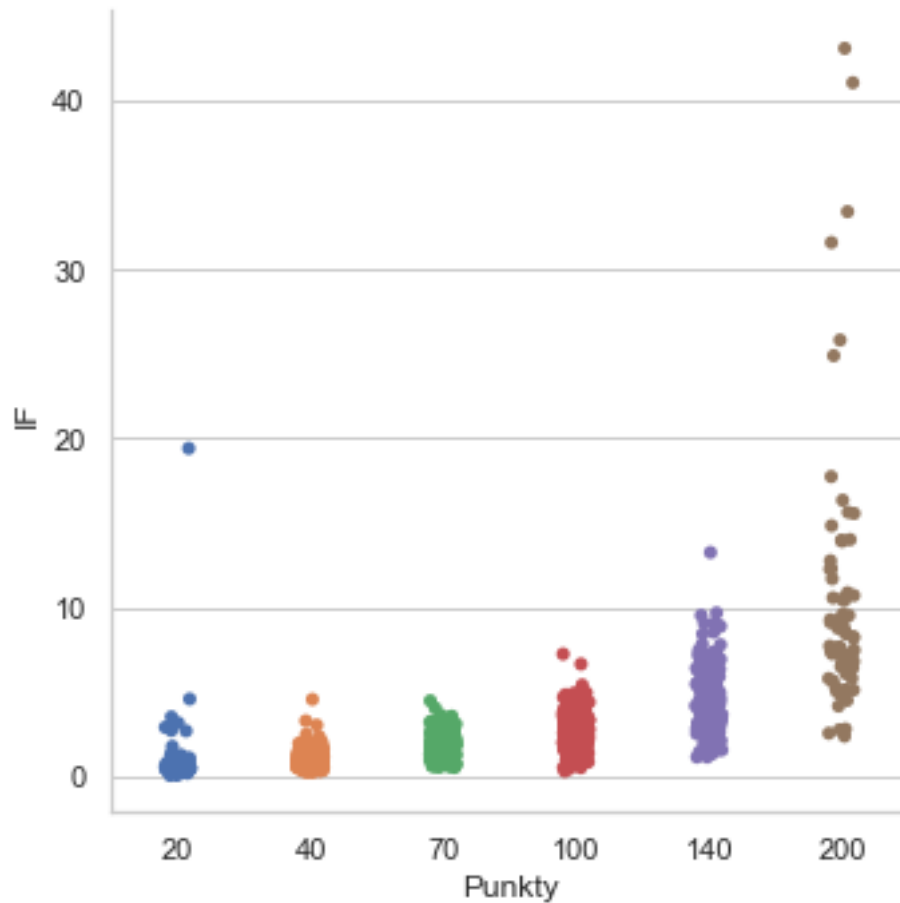
Sumaryczna liczba czasopism wspólnych dla obu dyscyplin: 810

1.4 Zwizki punktacji MNISW z IF w dyscyplinie AEE

[37]:
```python
import matplotlib.pyplot as plt
import seaborn as sns
sns.set(style="whitegrid", color_codes=True)
```

```
sns.catplot(x="Punkty", y="IF", data=dane[dane.AEE]);

#dane[dane.AEE].plot(kind='scatter',x='IF',y='Punkty',yticks=dane.Punkty.
 ↪unique())
#plt.show()
```


- Jak wida zwizków nie ma.
- Dla 20 punktowych jest kilka zaskakujcych outlierów. W szczególnoci **Science Robotics**, które chyba powinno mie 200.

1.4.1 Najwysze impact factory w AEE:

[44]: ```
dane[dane.AEE].sort_values('IF',ascending=False).head(20)
```

[44]:                                                                     Tytu  \
    Numer z listy MNISW
    14801                                                              NATURE
    18197                                                             SCIENCE

3
```

	Name
14826	Nature Nanotechnology
14828	Nature Photonics
430	ADVANCED MATERIALS
424	Advanced Energy Materials
18241	Science Robotics
8005	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACH...
133	ACS Energy Letters
427	ADVANCED FUNCTIONAL MATERIALS
14731	Nano Energy
19142	SURFACE SCIENCE REPORTS
13641	Light-Science & Applications
526	Advances in Optics and Photonics
137	ACS Nano
7893	IEEE Industrial Electronics Magazine
1504	Applied Physics Reviews
14733	NANO LETTERS
20915	Annual Review of Biomedical Engineering
8001	IEEE Transactions on Neural Networks and Learn...

Numer z listy MNISW	issn	e-issn	AEE	ITT	Punkty	IF
14801	0028-0836	1476-4687	True	False	200	43.070
18197	0036-8075	1095-9203	True	False	200	41.037
14826	1748-3387	1748-3395	True	False	200	33.407
14828	1749-4885	1749-4893	True	False	200	31.583
430	0935-9648	1521-4095	True	False	200	25.809
424	1614-6832	1614-6840	True	False	200	24.884
18241	2470-9476	2470-9476	True	False	20	19.400
8005	0162-8828	1939-3539	True	True	200	17.730
133	2380-8195	2380-8195	True	False	200	16.331
427	1616-301X	1616-3028	True	False	200	15.621
14731	2211-2855	2211-3282	True	False	200	15.548
19142	0167-5729	1879-274X	True	False	200	14.824
13641	2047-7538	2047-7538	True	False	200	14.000
526	1943-8206	NaN	True	False	200	13.963
137	1936-0851	1936-086X	True	False	200	13.903
7893	1932-4529	1941-0115	True	True	140	13.241
1504	1931-9401	1931-9401	True	False	200	12.750
14733	1530-6984	1530-6992	True	False	200	12.279
20915	1523-9829	1545-4274	True	False	200	12.257
8001	2162-237X	2162-2388	True	True	200	11.683

1.4.2 Czasopisma z IEEE

```python
pd.set_option('display.max_rows', 500)
IEEE=dane[dane.AEE&dane['Tytu'].str.contains('IEEE')].
 ↪sort_values(['Punkty','IF'],ascending=False)
IEEE
```

```
[68]:                                                          Tytu  \
      Numer z listy MNISW
      8005               IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACH...
      8001               IEEE Transactions on Neural Networks and Learn...
      16512                                        PROCEEDINGS OF THE IEEE
      8017                            IEEE Transactions on Smart Grid
      7966                            IEEE Transactions on Cybernetics
      7899                            IEEE Internet of Things Journal
      7977                            IEEE TRANSACTIONS ON FUZZY SYSTEMS
      7976               IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION
      8019                     IEEE Transactions on Sustainable Energy
      7934                            IEEE SIGNAL PROCESSING MAGAZINE
      7982               IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS
      7983               IEEE Transactions on Industrial Informatics
      8008                     IEEE TRANSACTIONS ON POWER ELECTRONICS
      8009                            IEEE TRANSACTIONS ON POWER SYSTEMS
      7981                     IEEE TRANSACTIONS ON IMAGE PROCESSING
      7907               IEEE Journal of Selected Topics in Signal Proc...
      8012                            IEEE Transactions on Robotics
      7978               IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SEN...
      8022               IEEE Transactions on Transportation Electrific...
      7944                     IEEE TRANSACTIONS ON AUTOMATIC CONTROL
      7930                     IEEE Robotics and Automation Letters
      7893                     IEEE Industrial Electronics Magazine
      7892               IEEE Geoscience and Remote Sensing Magazine
      7992                     IEEE TRANSACTIONS ON MEDICAL IMAGING
      8020               IEEE Transactions on Systems Man Cybernetics-S...
      7941                     IEEE Transactions on Affective Computing
      7885                            IEEE CONTROL SYSTEMS MAGAZINE
      8028                            IEEE Vehicular Technology Magazine
      7901               IEEE Journal of Emerging and Selected Topics i...
      7881                     IEEE Computational Intelligence Magazine
      7988               IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATIO...
      7956                            IEEE TRANSACTIONS ON COMMUNICATIONS
      7995                            IEEE TRANSACTIONS ON MULTIMEDIA
      7965               IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY
      8024                     IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY
      8016                     IEEE TRANSACTIONS ON SIGNAL PROCESSING
      7945               IEEE Transactions on Automation Science and En...
      7908                     IEEE JOURNAL OF SOLID-STATE CIRCUITS
      8034                     IEEE-ASME TRANSACTIONS ON MECHATRONICS
```

7964	IEEE Transactions on Control of Network Systems
8018	IEEE TRANSACTIONS ON SOFTWARE ENGINEERING
7906	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELE...
7974	IEEE TRANSACTIONS ON ENERGY CONVERSION
7948	IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING
7896	IEEE INTELLIGENT SYSTEMS
7937	IEEE Systems Journal
7942	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION
8007	IEEE TRANSACTIONS ON POWER DELIVERY
7949	IEEE TRANSACTIONS ON BROADCASTING
7947	IEEE Transactions on Biomedical Circuits and S...
7929	IEEE ROBOTICS & AUTOMATION MAGAZINE
7950	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR ...
7952	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-RE...
8026	IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTE...
7993	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECH...
7889	IEEE ELECTRON DEVICE LETTERS
7919	IEEE MULTIMEDIA
7891	IEEE Geoscience and Remote Sensing Letters
8031	IEEE-ACM Transactions on Audio Speech and Lang...
7875	IEEE Antennas and Wireless Propagation Letters
8002	IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABI...
7911	IEEE Journal on Emerging and Selected Topics i...
8004	IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED ...
7905	IEEE Journal of Selected Topics in Applied Ear...
7984	IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS
7897	IEEE Intelligent Transportation Systems Magazine
7951	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-E...
8011	IEEE TRANSACTIONS ON RELIABILITY
7916	IEEE MICRO
7902	IEEE JOURNAL OF OCEANIC ENGINEERING
22892	IEEE Reviews in Biomedical Engineering
7925	IEEE Power & Energy Magazine
7876	IEEE Circuits and Systems Magazine
7871	IEEE Access
7922	IEEE PERVASIVE COMPUTING
7874	IEEE ANTENNAS AND PROPAGATION MAGAZINE
7903	IEEE Journal of Photovoltaics
7980	IEEE Transactions on Human-Machine Systems
7933	IEEE SIGNAL PROCESSING LETTERS
7932	IEEE SENSORS JOURNAL
7987	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASU...
8021	IEEE Transactions on Terahertz Science and Tec...
8023	IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRIC...
7918	IEEE MICROWAVE MAGAZINE
7940	IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC ...
7923	IEEE Photonics Journal

7972	IEEE TRANSACTIONS ON ELECTRON DEVICES
7924	IEEE PHOTONICS TECHNOLOGY LETTERS
7961	IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF ...
7917	IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS
7998	IEEE TRANSACTIONS ON NANOTECHNOLOGY
7971	IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBI...
7970	IEEE TRANSACTIONS ON EDUCATION
7969	IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICA...
7963	IEEE TRANSACTIONS ON CONSUMER ELECTRONICS
7909	IEEE Journal of the Electron Devices Society
7887	IEEE ELECTRICAL INSULATION MAGAZINE
8025	IEEE TRANSACTIONS ON VERY LARGE SCALE INTEGRAT...
7926	IEEE Power Electronics Magazine
7996	IEEE Transactions on Multi-Scale Computing Sys...
22894	IEEE/OSA Journal of Display Technology
7886	IEEE Design & Test
7936	IEEE SPECTRUM
8032	IEEE-ACM Transactions on Computational Biology...
7979	IEEE Transactions on Haptics
7954	IEEE Transactions on Cognitive and Development...
7904	IEEE JOURNAL OF QUANTUM ELECTRONICS
7872	IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE
7910	IEEE Journal of Translational Engineering in H...
7997	IEEE TRANSACTIONS ON NANOBIOSCIENCE
7957	IEEE Transactions on Components Packaging and ...
7943	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY
7915	IEEE Magnetics Letters
7991	IEEE TRANSACTIONS ON MAGNETICS
7968	IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELI...
7890	IEEE Embedded Systems Letters
8003	IEEE TRANSACTIONS ON NUCLEAR SCIENCE
7894	IEEE INDUSTRY APPLICATIONS MAGAZINE
8006	IEEE TRANSACTIONS ON PLASMA SCIENCE
7882	IEEE Computer Architecture Letters
8013	IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING
7959	IEEE Transactions on Computational Intelligenc...
7895	IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE
7960	IEEE Transactions on Computational Social Systems
8035	IEEE-CAA Journal of Automatica Sinica
22887	IEEE Electromagnetic Compatibility Magazine
7958	IEEE Transactions on Computational Imaging
7884	IEEE Consumer Electronics Magazine
7939	IEEE TECHNOLOGY AND SOCIETY MAGAZINE
22890	IEEE Potentials
22891	IEEE Power and Energy Technology Systems Journal
8015	IEEE Transactions on Signal and Information Pr...
7914	IEEE Latin America Transactions

Numer z listy MNISW						
7927						IEEE Pulse
7888						IEEE Electrification Magazine
7912						IEEE Journal on Exploratory Solid-State Comput...
7920						IEEE Nanotechnology Magazine
7938						IEEE Systems Man and Cybernetics Magazine
22889						IEEE International Conference on Rehabilitatio...

Numer z listy MNISW	issn	e-issn	AEE	ITT	Punkty	IF
8005	0162-8828	1939-3539	True	True	200	17.730
8001	2162-237X	2162-2388	True	True	200	11.683
16512	0018-9219	1558-2256	True	True	200	10.694
8017	1949-3053	1949-3061	True	True	200	10.486
7966	2168-2267	2168-2275	True	True	200	10.387
7899	2327-4662	2327-4662	True	True	200	9.515
7977	1063-6706	1941-0034	True	True	200	8.759
7976	1089-778X	1941-0026	True	True	200	8.508
8019	1949-3029	NaN	True	False	200	7.650
7934	1053-5888	1558-0792	True	True	200	7.602
7982	0278-0046	1557-9948	True	True	200	7.503
7983	1551-3203	1941-0050	True	True	200	7.377
8008	0885-8993	1941-0107	True	False	200	7.224
8009	0885-8950	1558-0679	True	False	200	6.807
7981	1057-7149	1941-0042	True	True	200	6.790
7907	1932-4553	1941-0484	True	True	200	6.688
8012	1552-3098	1941-0468	True	True	200	6.483
7978	0196-2892	1558-0644	True	True	200	5.630
8022	2332-7782	2332-7782	True	False	200	5.270
7944	0018-9286	1558-2523	True	True	200	5.093
7930	2377-3766	2377-3766	True	True	200	NaN
7893	1932-4529	1941-0115	True	True	140	13.241
7892	2168-6831	2168-6831	True	True	140	9.659
7992	0278-0062	1558-254X	True	True	140	7.816
8020	2168-2216	2168-2216	True	True	140	7.351
7941	1949-3045	1949-3045	True	True	140	6.288
7885	1066-033X	1941-000X	True	True	140	6.228
8028	1556-6072	1556-6080	True	True	140	6.145
7901	2168-6777	NaN	True	False	140	5.972
7881	1556-603X	1556-6048	True	True	140	5.857
7988	1524-9050	1558-0016	True	True	140	5.744
7956	0090-6778	1558-0857	True	True	140	5.690
7995	1520-9210	1941-0077	True	True	140	5.452
7965	1063-6536	1558-0865	True	True	140	5.371
8024	0018-9545	1939-9359	True	True	140	5.339
8016	1053-587X	1941-0476	True	True	140	5.230
7945	1545-5955	1558-3783	True	True	140	5.224
7908	0018-9200	1558-173X	True	False	140	5.173

8034	1083-4435	1941-014X	True	False	140	4.943
7964	2325-5870	2372-2533	True	True	140	4.802
8018	0098-5589	1939-3520	True	True	140	4.778
7906	1077-260X	1558-4542	True	False	140	4.681
7974	0885-8969	1558-0059	True	False	140	4.614
7948	0018-9294	1558-2531	True	True	140	4.491
7896	1541-1672	1941-1294	True	True	140	4.464
7937	1932-8184	1937-9234	True	True	140	4.463
7942	0018-926X	1558-2221	True	True	140	4.435
8007	0885-8977	1937-4208	True	False	140	4.415
7949	0018-9316	1557-9611	True	True	140	4.374
7947	1932-4545	1940-9990	True	True	140	4.252
7929	1070-9932	1558-223X	True	True	140	4.250
7950	1051-8215	1558-2205	True	True	140	4.046
7952	1549-8328	1558-0806	True	False	140	3.934
8026	1077-2626	1941-0506	True	True	140	3.780
7993	0018-9480	1557-9670	True	True	140	3.756
7889	0741-3106	1558-0563	True	False	140	3.753
7919	1070-986X	1941-0166	True	True	140	3.556
7891	1545-598X	1558-0571	True	True	140	3.534
8031	2329-9290	NaN	True	True	140	3.531
7875	1536-1225	1548-5757	True	True	140	3.510
8002	1534-4320	1558-0210	True	True	140	3.478
7911	2156-3357	2156-3357	True	False	140	3.433
8004	1045-9219	1558-2183	True	True	140	3.402
7905	1939-1404	2151-1535	True	True	140	3.392
7984	0093-9994	1939-9367	True	True	140	3.347
7897	1939-1390	1939-1390	True	True	140	3.294
7951	1549-7747	1558-3791	True	False	140	3.250
8011	0018-9529	1558-1721	True	True	140	2.888
7916	0272-1732	1937-4143	True	False	140	2.570
7902	0364-9059	1558-1691	True	False	140	2.567
22892	1937-3333	NaN	True	True	140	NaN
7925	1540-7977	1558-4216	True	False	100	4.800
7876	1531-636X	1558-0830	True	True	100	4.481
7871	2169-3536	2169-3536	True	True	100	4.098
7922	1536-1268	1558-2590	True	True	100	3.813
7874	1045-9243	1558-4143	True	True	100	3.804
7903	2156-3381	2156-3381	True	False	100	3.398
7980	2168-2291	2168-2305	True	True	100	3.332
7933	1070-9908	1558-2361	True	True	100	3.268
7932	1530-437X	1558-1748	True	True	100	3.076
7987	0018-9456	1557-9662	True	True	100	3.067
8021	2156-342X	2156-342X	True	True	100	3.030
8023	0885-3010	1525-8955	True	False	100	2.989
7918	1527-3342	1557-9581	True	True	100	2.949
7940	0018-9251	1557-9603	True	False	100	2.797

7923	1943-0655	1943-0647	True	False	100	2.729
7972	0018-9383	1557-9646	True	False	100	2.704
7924	1041-1135	1941-0174	True	False	100	2.553
7961	0278-0070	1937-4151	True	True	100	2.402
7917	1531-1309	1558-1764	True	False	100	2.374
7998	1536-125X	1941-0085	True	False	100	2.292
7971	0018-9375	1558-187X	True	True	100	2.274
7970	0018-9359	1557-9638	True	False	100	2.214
7969	1070-9878	1558-4135	True	False	100	2.135
7963	0098-3063	1558-4127	True	True	100	2.083
7909	2168-6734	2168-6734	True	False	100	2.000
7887	0883-7554	1558-4402	True	False	100	1.983
8025	1063-8210	1557-9999	True	True	100	1.946
7926	2329-9207	2329-9215	True	False	100	NaN
7996	2332-7766	2332-7766	True	True	100	NaN
22894	1551-319X	NaN	True	False	100	NaN
7886	2168-2356	NaN	True	True	70	3.022
7936	0018-9235	1939-9340	True	True	70	3.015
8032	1545-5963	1557-9964	True	True	70	2.896
7979	1939-1412	2329-4051	True	True	70	2.757
7954	2379-8920	2379-8939	True	True	70	2.755
7904	0018-9197	1558-1713	True	False	70	2.753
7872	0885-8985	1557-959X	True	True	70	2.113
7910	2168-2372	2168-2372	True	True	70	2.075
7997	1536-1241	1558-2639	True	False	70	1.927
7957	2156-3950	2156-3985	True	False	70	1.860
7943	1051-8223	1558-2515	True	True	70	1.692
7915	1949-307X	1949-307X	True	True	70	1.672
7991	0018-9464	1941-0069	True	False	70	1.651
7968	1530-4388	1558-2574	True	True	70	1.583
7890	1943-0663	1943-0663	True	True	70	1.500
8003	0018-9499	1558-1578	True	False	70	1.428
7894	1077-2618	1558-0598	True	False	70	1.373
8006	0093-3813	1939-9375	True	False	70	1.325
7882	1556-6056	1556-6064	True	True	70	1.149
8013	0894-6507	1558-2345	True	False	70	1.140
7959	1943-068X	1943-0698	True	True	70	1.056
7895	1094-6969	1941-0123	True	True	70	1.024
7960	2329-924X	2329-924X	True	True	70	NaN
8035	2329-9266	2329-9274	True	True	70	NaN
22887	2162-2272	NaN	True	True	70	NaN
7958	2333-9403	2333-9403	True	True	40	4.546
7884	2162-2248	2162-2256	True	True	40	3.273
7939	0278-0097	1937-416X	True	False	40	1.022
22890	0278-6648	NaN	True	False	40	NaN
22891	2332-7707	NaN	True	False	40	NaN
8015	2373-776X	2373-776X	True	True	20	3.153

```
7914          1548-0992  1548-0992  True   True    20   0.804
7927          2154-2287  2154-2287  True   True    20   0.662
7888          2325-5897  2325-5897  True   False   20   NaN
7912          2329-9231  2329-9231  True   True    20   NaN
7920          1932-4510  1942-7808  True   False   20   NaN
7938          2333-942X  2333-942X  True   True    20   NaN
22889         1945-7901        NaN  True   False   20   NaN
```

[71]:
```python
print('Czasopisma z IEEE dla AEE: '+str(sum(IEEE.AEE)))
print('Czasopisma z IEEE dla ITT: '+str(sum(IEEE.ITT)))
```

```
Czasopisma z IEEE dla AEE: 139
Czasopisma z IEEE dla ITT: 94
```

1.5 Czasopisma z MDPI

[72]:
```python
MDPI=pd.read_csv('../Analysis Data/MDPI_journals.csv')

MDPI_filter=((dane.issn.isin(MDPI.ISSN)) | (dane['e-issn'].isin(MDPI.ISSN)))

MDPI_table=dane[MDPI_filter].sort_values(['Punkty','IF'],ascending=False)
MDPI_table
```

[72]:
```
                                                        Tytu  \
Numer z listy MNISW
17163                                        Remote Sensing
18379                                               SENSORS
5672                                                Energies
5773                                                 Entropy
5580                                             Electronics
14742                                           Nanomaterials
2760                                           Brain Sciences
14348                                            Micromachines
1518                                     Applied Sciences-Basel
19200                                          Symmetry-Basel
9725            ISPRS International Journal of Geo-Information
558                                                 Aerospace
6558                                                   Fibers
16046                                                Photonics
786                                                 Algorithms
6930                                            Future Internet
8304                                               Information
22527                                                  Games
367                                                 Actuators
2219                                                   Axioms
4197                                              Computation
4257                                                Computers
4879                                                    Data
```
```
                                                        11
```

```
8303                                                 Informatics-Basel
11396                                                Journal of Imaging
12609                        Journal of Sensor and Actuator Networks
17976                                                         Robotics
19298                                                     Technologies
22768                                                  High-Throughput
24165                   Journal of Low Power Electronics and Applications
27111                                     World Electric Vehicle Journal
```

Numer z listy MNISW	issn	e-issn	AEE	ITT	Punkty	IF
17163	2072-4292	2072-4292	True	True	100	4.118
18379	1424-8220	1424-8220	True	True	100	3.031
5672	1996-1073	1996-1073	True	False	100	2.707
5773	1099-4300	1099-4300	False	True	100	2.419
5580	2079-9292	2079-9292	True	False	100	1.764
14742	2079-4991	2079-4991	True	False	70	4.034
2760	2076-3425	2976-3425	False	True	70	2.786
14348	2072-666X	2072-666X	True	False	70	2.426
1518	2076-3417	2076-3417	True	True	70	2.217
19200	2073-8994	2073-8994	True	True	70	2.143
9725	2220-9964	2220-9964	False	True	70	1.840
558	2226-4310	2226-4310	True	False	70	NaN
6558	2079-6439	2079-6439	True	False	70	NaN
16046	2304-6732	2304-6732	True	True	70	NaN
786	1999-4893	1999-4893	True	True	40	NaN
6930	1999-5903	1999-5903	False	True	40	NaN
8304	2078-2489	2078-2489	False	True	40	NaN
22527	2073-4336	NaN	False	True	40	NaN
367	2076-0825	2076-0825	True	False	20	NaN
2219	2075-1680	2075-1680	False	True	20	NaN
4197	2079-3197	2079-3197	False	True	20	NaN
4257	2073-431X	2073-431X	False	True	20	NaN
4879	2306-5729	2306-5729	False	True	20	NaN
8303	2227-9709	2227-9709	False	True	20	NaN
11396	2313-433X	2313-433X	True	True	20	NaN
12609	2224-2708	2224-2708	True	True	20	NaN
17976	2218-6581	2218-6581	True	True	20	NaN
19298	2227-7080	2227-7080	False	True	20	NaN
22768	2571-5135	NaN	False	True	20	NaN
24165	NaN	2079-9268	True	False	20	NaN
27111	2032-6653	NaN	True	False	20	NaN

```python
[74]: print('Czasopisma z MDPI dla AEE: '+str(sum(MDPI_table.AEE)))
      print('Czasopisma z MDPI dla ITT: '+str(sum(MDPI_table.ITT)))
```

```
Czasopisma z MDPI dla AEE: 18
Czasopisma z MDPI dla ITT: 22
```

1.6 Czasopisma z Elseviera

```
[78]: elsevier=pd.read_csv('../Analysis Data/elsevier_journals.csv')
      elsevier_filter=((dane.issn.isin(elsevier.ISSN)) | (dane['e-issn'].
       ↪isin(elsevier.ISSN)))
```

```
[79]: pd.set_option('display.max_rows', 500)
      elsevier_table=dane[elsevier_filter].
       ↪sort_values(['Punkty','IF'],ascending=False)
      elsevier_table
```

```
[79]:                                                              Tytu  \
      Numer z listy MNISW
      19779                              TRENDS IN COGNITIVE SCIENCES
      19779                              TRENDS IN COGNITIVE SCIENCES
      14731                                                Nano Energy
      19142                                    SURFACE SCIENCE REPORTS
      14967                                                     NEURON
      8319                                          Information Fusion
      17178                     RENEWABLE & SUSTAINABLE ENERGY REVIEWS
      917                           AMERICAN JOURNAL OF HUMAN GENETICS
      8877                INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE
      16630                                PROGRESS IN SURFACE SCIENCE
      1463                                             APPLIED ENERGY
      473                    ADVANCES IN COLLOID AND INTERFACE SCIENCE
      17166                              REMOTE SENSING OF ENVIRONMENT
      14995                    NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS
      5679                         ENERGY CONVERSION AND MANAGEMENT
      9726                ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SEN...
      16588                            PROGRESS IN AEROSPACE SCIENCES
      2193                                                  AUTOMATICA
      14918                                            NEURAL NETWORKS
      19739               TRANSPORTATION RESEARCH PART C-EMERGING TECHNO...
      4259                                        COMPUTERS & EDUCATION
      4259                                        COMPUTERS & EDUCATION
      8326                                         INFORMATION SCIENCES
      16624                              PROGRESS IN QUANTUM ELECTRONICS
      13328                                      KNOWLEDGE-BASED SYSTEMS
      14091                     MECHANICAL SYSTEMS AND SIGNAL PROCESSING
      1519                                       APPLIED SOFT COMPUTING
      4236                COMPUTER METHODS IN APPLIED MECHANICS AND ENGI...
      1817                                     ARTIFICIAL INTELLIGENCE
      5680                                             ENERGY ECONOMICS
      18575                                             SOCIAL NETWORKS
      14076                                                 MEASUREMENT
      26491                                                   SoftwareX
      2540                               BIOSENSORS & BIOELECTRONICS
      14142                                       MEDICAL IMAGE ANALYSIS
```

16612	PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTRO...
4775	CURRENT OPINION IN SOLID STATE & MATERIALS SCI...
12379	JOURNAL OF POWER SOURCES
3245	CARBON
19933	ULTRASONICS SONOCHEMISTRY
391	Additive Manufacturing
2761	Brain Stimulation
5196	DRUG DISCOVERY TODAY
7050	GENOMICS PROTEOMICS & BIOINFORMATICS
18381	SENSORS AND ACTUATORS B-CHEMICAL
19185	Swarm and Evolutionary Computation
18684	SOLAR ENERGY MATERIALS AND SOLAR CELLS
15781	PATTERN RECOGNITION
14942	NEUROIMAGE
6929	Future Generation Computer Systems-The Interna...
17180	RENEWABLE ENERGY
15381	OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE
15381	OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE
11976	JOURNAL OF NETWORK AND COMPUTER APPLICATIONS
15116	Nonlinear Analysis-Hybrid Systems
16035	Photoacoustics
1525	APPLIED SURFACE SCIENCE
11901	JOURNAL OF MOLECULAR BIOLOGY
9021	INTERNATIONAL JOURNAL OF INFORMATION MANAGEMENT
13986	Materials Science & Engineering C-Materials fo...
8616	International Journal of Applied Earth Observa...
18683	SOLAR ENERGY
5830	ENVIRONMENTAL MODELLING & SOFTWARE
5677	ENERGY AND BUILDINGS
17978	ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING
9707	ISA TRANSACTIONS
2196	AUTOMATION IN CONSTRUCTION
4275	COMPUTERS IN HUMAN BEHAVIOR
6462	EXPERT SYSTEMS WITH APPLICATIONS
491	ADVANCES IN ENGINEERING SOFTWARE
9115	INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES
8307	INFORMATION & MANAGEMENT
8307	INFORMATION & MANAGEMENT
18469	SIGNAL PROCESSING
13988	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL...
15487	OPTICS AND LASERS IN ENGINEERING
17135	RELIABILITY ENGINEERING & SYSTEM SAFETY
1527	APPLIED THERMAL ENGINEERING
12722	JOURNAL OF STRATEGIC INFORMATION SYSTEMS
12722	JOURNAL OF STRATEGIC INFORMATION SYSTEMS
14943	NeuroImage-Clinical
8321	INFORMATION PROCESSING & MANAGEMENT

8321	INFORMATION PROCESSING & MANAGEMENT
11456	Journal of Informetrics
11456	Journal of Informetrics
11848	JOURNAL OF MEMORY AND LANGUAGE
11848	JOURNAL OF MEMORY AND LANGUAGE
4904	DECISION SUPPORT SYSTEMS
6226	EUROPEAN JOURNAL OF OPERATIONAL RESEARCH
425	ADVANCED ENGINEERING INFORMATICS
3991	COGNITIVE PSYCHOLOGY
3991	COGNITIVE PSYCHOLOGY
19330	TELEMATICS AND INFORMATICS
11725	JOURNAL OF MANUFACTURING SYSTEMS
18101	SAFETY SCIENCE
3974	COGNITION
14101	MECHANISM AND MACHINE THEORY
20044	Vehicular Communications
9434	INTERNATIONAL JOURNAL OF THERMAL SCIENCES
11723	Journal of Manufacturing Processes
4272	COMPUTERS ENVIRONMENT AND URBAN SYSTEMS
8918	INTERNATIONAL JOURNAL OF FORECASTING
4268	COMPUTERS & STRUCTURES
12398	JOURNAL OF PROCESS CONTROL
4242	COMPUTER PHYSICS COMMUNICATIONS
15234	NUCLEAR PHYSICS B
12674	JOURNAL OF SOUND AND VIBRATION
4267	COMPUTERS & SECURITY
4255	COMPUTER-AIDED DESIGN
4266	COMPUTERS & OPERATIONS RESEARCH
1434	APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS
2351	Big Data Research
17977	ROBOTICS AND AUTONOMOUS SYSTEMS
8314	INFORMATION AND SOFTWARE TECHNOLOGY
6944	FUZZY SETS AND SYSTEMS
10618	JOURNAL OF COMPUTATIONAL PHYSICS
4265	COMPUTERS & MATHEMATICS WITH APPLICATIONS
4230	COMPUTER COMMUNICATIONS
9120	INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS
2750	BRAIN AND LANGUAGE
2750	BRAIN AND LANGUAGE
16451	PRECISION ENGINEERING-JOURNAL OF THE INTERNATI...
19929	ULTRAMICROSCOPY
19932	ULTRASONICS
6952	GAIT & POSTURE
8313	Information and Organization
8994	INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES
8994	INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES
6152	EUROPEAN JOURNAL OF CONTROL

12382	JOURNAL OF PRAGMATICS
10564	JOURNAL OF COMBINATORIAL THEORY SERIES B
1286	ANNALS OF PURE AND APPLIED LOGIC
4246	Computer Science Review
11422	Journal of Industrial Information Integration
19241	TALANTA
4276	COMPUTERS IN INDUSTRY
1323	ANNUAL REVIEWS IN CONTROL
4201	Computational and Structural Biotechnology Jou...
11909	JOURNAL OF MOLECULAR LIQUIDS
8843	INTERNATIONAL JOURNAL OF ELECTRICAL POWER & EN...
10082	JOURNAL OF ALLOYS AND COMPOUNDS
14932	NEUROCOMPUTING
4093	Communications in Nonlinear Science and Numeri...
12888	JOURNAL OF THE ENERGY INSTITUTE
2384	BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS
2520	BIOPHYSICAL JOURNAL
12900	JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING ...
1819	ARTIFICIAL INTELLIGENCE IN MEDICINE
5707	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLI...
4264	COMPUTERS & INDUSTRIAL ENGINEERING
10946	Journal of Energy Storage
13989	Materials Science and Engineering B-Advanced F...
15528	ORGANIC ELECTRONICS
374	Ad Hoc Networks
1485	APPLIED MATHEMATICS LETTERS
10099	JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS
4235	COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE
13981	MATERIALS RESEARCH BULLETIN
4271	COMPUTERS AND GEOTECHNICS
4258	COMPUTERS & CHEMICAL ENGINEERING
15486	OPTICS AND LASER TECHNOLOGY
4256	COMPUTERIZED MEDICAL IMAGING AND GRAPHICS
4408	CONTROL ENGINEERING PRACTICE
19134	SURFACE & COATINGS TECHNOLOGY
19178	Sustainable Energy Grids & Networks
4270	COMPUTERS AND ELECTRONICS IN AGRICULTURE
7047	GENOMICS
2759	BRAIN RESEARCH BULLETIN
18833	SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY
15343	OCEAN MODELLING
1481	APPLIED MATHEMATICS AND COMPUTATION
724	Ain Shams Engineering Journal
4240	Computer Networks
5542	ELECTRIC POWER SYSTEMS RESEARCH
2546	BIOSYSTEMS ENGINEERING
14105	MECHATRONICS

10318	JOURNAL OF BIOMEDICAL INFORMATICS
2499	Biomedical Signal Processing and Control
18832	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMO...
2758	BRAIN RESEARCH
5556	Electronic Commerce Research and Applications
5556	Electronic Commerce Research and Applications
567	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND C...
1480	APPLIED MATHEMATICAL MODELLING
562	AEROSPACE SCIENCE AND TECHNOLOGY
18470	SIGNAL PROCESSING-IMAGE COMMUNICATION
15782	PATTERN RECOGNITION LETTERS
5089	DIGITAL SIGNAL PROCESSING
9360	INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES
12009	JOURNAL OF NEUROSCIENCE METHODS
15914	Pervasive and Mobile Computing
1985	Astronomy and Computing
18380	SENSORS AND ACTUATORS A-PHYSICAL
4262	COMPUTERS & GEOSCIENCES
11698	JOURNAL OF MAGNETIC RESONANCE
11701	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS
4253	COMPUTER VISION AND IMAGE UNDERSTANDING
4213	COMPUTATIONAL MATERIALS SCIENCE
19228	SYSTEMS & CONTROL LETTERS
2749	BRAIN AND COGNITION
2749	BRAIN AND COGNITION
10316	JOURNAL OF BIOMECHANICS
12773	JOURNAL OF SYSTEMS AND SOFTWARE
10619	Journal of Computational Science
157	ACTA ASTRONAUTICA
6604	FINITE ELEMENTS IN ANALYSIS AND DESIGN
13193	Journal of Web Semantics
18484	SIMULATION MODELLING PRACTICE AND THEORY
12574	JOURNAL OF SAFETY RESEARCH
3712	CIRP Journal of Manufacturing Science and Tech...
5322	Ecological Informatics
1433	APPLIED ACOUSTICS
5056	DIAMOND AND RELATED MATERIALS
4273	COMPUTERS IN BIOLOGY AND MEDICINE
13168	JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPR...
5706	ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS
8774	International Journal of Critical Infrastructu...
9184	INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS
4261	COMPUTERS & FLUIDS
5712	ENGINEERING FAILURE ANALYSIS
13817	MAGNETIC RESONANCE IMAGING
15118	NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS
8329	INFORMATION SYSTEMS

17249	Research in Transportation Business and Manage...
18697	SOLID STATE NUCLEAR MAGNETIC RESONANCE
19329	TELECOMMUNICATIONS POLICY
19329	TELECOMMUNICATIONS POLICY
6725	FORENSIC SCIENCE INTERNATIONAL
8630	INTERNATIONAL JOURNAL OF APPROXIMATE REASONING
10604	JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS
4249	COMPUTER SPEECH AND LANGUAGE
12174	JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING
10905	JOURNAL OF ELECTROMYOGRAPHY AND KINESIOLOGY
18839	SPEECH COMMUNICATION
4880	DATA & KNOWLEDGE ENGINEERING
20242	WAVE MOTION
8577	International Journal of Accounting Informatio...
15222	NUCLEAR ENGINEERING AND DESIGN
11448	Journal of Information Security and Applications
14349	MICRON
13177	JOURNAL OF VOICE
13618	LIBRARY & INFORMATION SCIENCE RESEARCH
18942	STOCHASTIC PROCESSES AND THEIR APPLICATIONS
4563	CRYOGENICS
4222	COMPUTATIONAL STATISTICS & DATA ANALYSIS
10621	JOURNAL OF COMPUTER AND SYSTEM SCIENCES
11938	JOURNAL OF MULTIVARIATE ANALYSIS
10196	JOURNAL OF APPROXIMATION THEORY
456	ADVANCES IN APPLIED MATHEMATICS
13652	LINEAR ALGEBRA AND ITS APPLICATIONS
10563	JOURNAL OF COMBINATORIAL THEORY SERIES A
6146	EUROPEAN JOURNAL OF COMBINATORICS
10600	JOURNAL OF COMPLEXITY
12460	JOURNAL OF PURE AND APPLIED ALGEBRA
12711	JOURNAL OF STATISTICAL PLANNING AND INFERENCE
19436	THEORETICAL COMPUTER SCIENCE
5079	Digital Communications and Networks
11591	Journal of King Saud University-Computer and I...
15457	Operations Research Perpsectives
21244	Biological Psychiatry: Cognitive Neuroscience ...
22005	Digital Applications in Archaeology and Cultur...
24325	Journal of Rail Transport Planning & Management
25904	Remote Sensing Applications: Society and Envir...
772	Alexandria Engineering Journal
16061	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCT...
3450	CHAOS SOLITONS & FRACTALS
13977	MATERIALS LETTERS
11690	JOURNAL OF LUMINESCENCE
8102	IMAGE AND VISION COMPUTING
13991	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING

15482	OPTICAL MATERIALS
3068	CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AN...
20027	VACUUM
4250	COMPUTER STANDARDS & INTERFACES
19128	SUPERLATTICES AND MICROSTRUCTURES
8350	INFRARED PHYSICS & TECHNOLOGY
5484	Egyptian Informatics Journal
14730	Nano Communication Networks
19936	ULTRASOUND IN MEDICINE AND BIOLOGY
4260	COMPUTERS & ELECTRICAL ENGINEERING
2396	Biocybernetics and Biomedical Engineering
14999	NEUROSCIENCE RESEARCH
13635	Life Sciences in Space Research
4668	CURRENT APPLIED PHYSICS
6636	FLOW MEASUREMENT AND INSTRUMENTATION
15489	OPTICS COMMUNICATIONS
10477	Journal of Choice Modelling
19491	THIN SOLID FILMS
11907	JOURNAL OF MOLECULAR GRAPHICS & MODELLING
19141	SURFACE SCIENCE
15481	OPTICAL FIBER TECHNOLOGY
542	ADVANCES IN SPACE RESEARCH
5139	DISPLAYS
15858	PERFORMANCE EVALUATION
10914	JOURNAL OF ELECTROSTATICS
1493	APPLIED NUMERICAL MATHEMATICS
9107	INTERNATIONAL JOURNAL OF MASS SPECTROMETRY
14341	MICROELECTRONIC ENGINEERING
2544	BIOSYSTEMS
4203	COMPUTATIONAL BIOLOGY AND CHEMISTRY
10728	JOURNAL OF CRYSTAL GROWTH
4234	Computer Law & Security Review
18700	SOLID-STATE ELECTRONICS
14344	MICROELECTRONICS RELIABILITY
9174	International Journal of Naval Architecture an...
16073	Physical Communication
16971	RADIATION MEASUREMENTS
15226	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEA...
4225	COMPUTER AIDED GEOMETRIC DESIGN
14044	MATHEMATICS AND COMPUTERS IN SIMULATION
10906	JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED P...
4263	COMPUTERS & GRAPHICS-UK
5755	Entertainment Computing
14343	MICROELECTRONICS JOURNAL
15728	PARALLEL COMPUTING
18823	Spatial Statistics
15227	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEA...

12774	JOURNAL OF SYSTEMS ARCHITECTURE
8425	INTEGRATION-THE VLSI JOURNAL
5650	ENDEAVOUR
5122	DISCRETE APPLIED MATHEMATICS
8322	INFORMATION PROCESSING LETTERS
12766	JOURNAL OF SYMBOLIC COMPUTATION
8309	INFORMATION AND COMPUTATION
5129	Discrete Optimization
15456	OPERATIONS RESEARCH LETTERS
7319	GRAPHICAL MODELS
11773	JOURNAL OF MATHEMATICAL ECONOMICS
11773	JOURNAL OF MATHEMATICAL ECONOMICS
18907	STATISTICS & PROBABILITY LETTERS
5069	DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS
4207	COMPUTATIONAL GEOMETRY-THEORY AND APPLICATIONS
5496	Egyptian Journal of Remote Sensing and Space S...
7833	IATSS Research
7858	ICT Express
15455	Operations Research for Health Care
16647	Propulsion and Power Research
21756	Computers and Composition
22990	Information Processing in Agriculture
23110	International Journal of Child-Computer Intera...
24068	Journal of High Technology Management Research
25574	Physics in Medicine
26382	Sensing and Bio-Sensing Research
16047	Photonics and Nanostructures-Fundamentals and ...
15492	OPTIK
19175	Sustainable Computing-Informatics & Systems
2690	BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y ...
19444	THEORETICAL POPULATION BIOLOGY
3994	Cognitive Systems Research
3994	Cognitive Systems Research
15485	Optical Switching and Networking
3833	CLINICAL IMAGING
18235	SCIENCE OF COMPUTER PROGRAMMING
14353	MICROPROCESSORS AND MICROSYSTEMS
9690	IRBM
11683	Journal of Logical and Algebraic Methods in Pr...
5576	Electronic Notes in Theoretical Computer Science
7070	Geodesy and Geodynamics
19145	Surfaces and Interfaces
19214	Synthetic and Systems Biotechnology
21751	Computer Fraud and Security
21938	Data in Brief
22172	Electronic Notes in Discrete Mathematics
22981	Informatics in Medicine Unlocked

25068	Nano-Structures and Nano-Objects
25704	Procedia Manufacturing
15052	NEW SCIENTIST
6591	FILTRATION & SEPARATION
12591	Journal of Science-Advanced Materials and Devices
21868	Current Opinion in Systems Biology
22699	HardwareX
22901	IFAC-PapersOnLine
23575	IRBM News
23980	Journal of Electronic Science and Technology
25354	OpenNano
27383	iScience
27578	Smart Health

	issn	e-issn	AEE	ITT	Punkty	IF
Numer z listy MNISW						
19779	1364-6613	1879-307X	False	True	200	16.173
19779	1364-6613	1879-307X	False	True	200	16.173
14731	2211-2855	2211-3282	True	False	200	15.548
19142	0167-5729	1879-274X	True	False	200	14.824
14967	0896-6273	1097-4199	False	True	200	14.403
8319	1566-2535	1872-6305	False	True	200	10.716
17178	1364-0321	NaN	True	False	200	10.556
917	0002-9297	1537-6605	False	True	200	9.924
8877	0020-7225	1879-2197	False	True	200	9.052
16630	0079-6816	NaN	True	False	200	8.762
1463	0306-2619	1872-9118	True	False	200	8.426
473	0001-8686	1873-3727	True	False	200	8.243
17166	0034-4257	1879-0704	True	True	200	8.218
14995	0149-7634	1873-7528	False	True	200	8.002
5679	0196-8904	1879-2227	True	False	200	7.181
9726	0924-2716	1872-8235	False	True	200	6.942
16588	0376-0421	NaN	True	False	200	6.814
2193	0005-1098	1873-2836	True	False	200	6.355
14918	0893-6080	1879-2782	True	True	200	5.785
19739	0968-090X	NaN	True	False	200	5.775
4259	0360-1315	1873-782X	False	True	200	5.627
4259	0360-1315	1873-782X	False	True	200	5.627
8326	0020-0255	1872-6291	False	True	200	5.524
16624	0079-6727	NaN	True	False	200	5.105
13328	0950-7051	1872-7409	True	True	200	5.101
14091	0888-3270	NaN	True	True	200	5.005
1519	1568-4946	1872-9681	True	True	200	4.873
4236	0045-7825	1879-2138	True	True	200	4.821
1817	0004-3702	1872-7921	True	True	200	4.483
5680	0140-9883	1873-6181	True	False	200	4.151
18575	0378-8733	1879-2111	False	True	200	2.949

14076	0263-2241	1873-412X	True	False	200	2.791
26491	NaN	2352-7110	False	True	200	NaN
2540	0956-5663	1873-4235	True	False	140	9.518
14142	1361-8415	1361-8423	True	True	140	8.880
16612	0079-6565	NaN	True	False	140	8.848
4775	1359-0286	1879-0348	True	False	140	8.418
12379	0378-7753	1873-2755	True	False	140	7.467
3245	0008-6223	1873-3891	True	False	140	7.466
19933	1350-4177	1873-2828	True	False	140	7.279
391	2214-8604	2214-7810	True	False	140	7.173
2761	1935-861X	1876-4754	False	True	140	6.919
5196	1359-6446	1878-5832	False	True	140	6.880
7050	1672-0229	2210-3244	False	True	140	6.597
18381	0925-4005	NaN	True	False	140	6.393
19185	2210-6502	2210-6510	True	True	140	6.330
18684	0927-0248	1879-3398	True	False	140	6.019
15781	0031-3203	1873-5142	True	True	140	5.898
14942	1053-8119	1095-9572	False	True	140	5.812
6929	0167-739X	1872-7115	False	True	140	5.768
17180	0960-1481	NaN	True	False	140	5.439
15381	0305-0483	NaN	False	True	140	5.341
15381	0305-0483	NaN	False	True	140	5.341
11976	1084-8045	NaN	False	True	140	5.273
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12722	0963-8687	1873-1198	False	True	140	4.000
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11848	0749-596X	1096-0821	False	True	140	3.858
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425	1474-0346	1873-5320	False	True	140	3.772
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2384	0304-4165	1872-8006	False	True	100	3.681
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6146	0195-6698	1095-9971	False	True	100	0.911
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15457	2214-7160	2214-7160	False	True	100	NaN
21244	2451-9022	NaN	False	True	100	NaN
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24325	2210-9706	2210-9714	True	False	100	NaN
25904	NaN	2352-9385	False	True	100	NaN
772	1110-0168	2090-2670	False	True	70	3.696
16061	1386-9477	1873-1759	True	False	70	3.176
3450	0960-0779	1873-2887	True	True	70	3.064

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14730	1878-7789	1878-7797	False	True	70	2.250
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2396	0208-5216	0208-5216	True	True	70	2.159
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18700	0038-1101	1879-2405	True	False	70	1.492
14344	0026-2714	NaN	True	False	70	1.483
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16073	1874-4907	1874-4907	False	True	70	1.451
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5650	0160-9327	1873-1929	True	False	70	1.068
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5129	1572-5286	1873-636X	False	True	70	0.815
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7319	1524-0703	1524-0711	False	True	70	0.727
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5069	0926-2245	1872-6984	True	False	70	0.605
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3833	0899-7071	1873-4499	False	True	40	1.136
18235	0167-6423	1872-7964	False	True	40	1.088
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19214	2405-805X	NaN	True	True	40	NaN

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21868	NaN	2452-3100	False	True	20	NaN
22699	NaN	2468-0672	False	True	20	NaN
22901	2405-8963	NaN	True	True	20	NaN
23575	1959-7568	NaN	True	False	20	NaN
23980	1674-862X	NaN	True	False	20	NaN
25354	2352-9520	NaN	True	False	20	NaN
27383	2589-0042	2589-0042	True	True	20	NaN
27578	2352-6483	2352-6491	False	True	20	NaN

```python
print('Czasopisma z Elseviera dla AEE: '+str(sum(elsevier_table.AEE)))
print('Czasopisma z Elseviera dla ITT: '+str(sum(elsevier_table.ITT)))
```

```
Czasopisma z Elseviera dla AEE: 206
Czasopisma z Elseviera dla ITT: 259
```