Datasets y visualización.

Importar con readtable y readmatrix.

```
%readmatrix: para importar datos en forma dee matriz.
area_mm=readmatrix("../../Clase digitalización/Utils4SP/Datasets/areaMM.txt",'Delimiter','   ')
```

```
area_mm = 1×181
  340.4277   324.3750   308.9114   293.6813   277.8073   261.0772   245.9019   232.8705 ···
```

```
%readtable: para importar datos en forma de tabla.
PSD_bands=readtable("../../Clase digitalización/Utils4SP/Datasets/2021.10.04_IntensidadBobinas.
```

```
PSD_bands = 630×13 table
                                                                                                    ...
```

	Dist_cm_	PSD_B1	PSD_B2	PSD_B3	PSD_B4	PSD_B5	PSD_B6	PSD_B7
1	0.5000	0.5480	0.0129	0.0052	0.0046	0.0205	1.1388	0.0107
2	0.5000	0.5042	0.0017	0.0022	0.0024	0.0057	0.5872	0.0015
3	0.5000	0.4539	0.0061	0.0016	0.0049	0.0121	0.5663	0.0060
4	0.5000	0.3205	0.0055	0.0052	0.0017	0.0082	0.6285	0.0053
5	0.5000	0.3859	0.0032	0.0026	0.0024	0.0066	0.5744	0.0035
6	0.5000	0.8591	0.0051	0.0020	0.0019	0.0073	0.6579	0.0061
7	0.5000	0.5021	0.0044	0.0020	0.0018	0.0075	0.5880	0.0027
8	0.5000	0.3402	0.0063	0.0067	0.0062	0.0097	0.5597	0.0118
9	0.5000	0.3661	0.0046	0.0020	0.0049	0.0085	0.5586	0.0043
10	0.5000	0.5464	0.0037	0.0016	0.0024	0.0075	0.5924	0.0011
11	0.5000	0.8342	0.0094	0.0025	0.0071	0.0063	0.9233	0.0042
12	0.5000	0.3870	0.0050	0.0017	0.0033	0.0124	1.1173	0.0029
13	0.5000	0.4425	0.0021	0.0005	0.0013	0.0038	0.6084	0.0020
14	0.5000	0.4923	0.0034	0.0009	0.0022	0.0069	0.5943	0.0012
15	0.5000	0.4754	0.0075	0.0031	0.0016	0.0057	0.6152	0.0041
16	0.5000	0.8079	0.0093	0.0061	0.0068	0.0129	0.5341	0.0059
17	0.5000	0.5346	0.0051	0.0023	0.0059	0.0127	1.1668	0.0032
18	0.5000	0.5067	0.0043	0.0012	0.0030	0.0106	0.5533	0.0025
19	0.5000	0.8112	0.0069	0.0026	0.0027	0.0089	1.0308	0.0035
20	0.5000	0.3734	0.0105	0.0032	0.0030	0.0104	0.5804	0.0105
21	0.5000	0.8587	0.0058	0.0016	0.0038	0.0091	0.5660	0.0061
22	0.5000	0.4835	0.0057	0.0019	0.0041	0.0094	1.1545	0.0046
23	0.5000	0.8285	0.0040	0.0012	0.0015	0.0032	0.6117	0.0010

	Dist_cm_	PSD_B1	PSD_B2	PSD_B3	PSD_B4	PSD_B5	PSD_B6	PSD_B7
24	0.5000	0.3315	0.0088	0.0024	0.0045	0.0142	0.5920	0.0092
25	0.5000	0.3778	0.0022	0.0028	0.0028	0.0095	0.5773	0.0039
26	0.5000	0.8786	0.0069	0.0030	0.0015	0.0057	0.5947	0.0021
27	0.5000	0.3387	0.0133	0.0038	0.0030	0.0119	1.1238	0.0079
28	0.5000	0.3665	0.0025	0.0020	0.0027	0.0069	0.5948	0.0029
29	0.5000	0.4544	0.0034	0.0014	0.0023	0.0062	0.5773	0.0021
30	0.5000	0.4900	0.0041	0.0018	0.0017	0.0069	0.5792	0.0037
31	1.0000	0.2387	0.0014	0.0009	0.0011	0.0017	0.2785	0.0009
32	1.0000	0.2504	0.0021	0.0007	0.0008	0.0035	0.2713	0.0009
33	1.0000	0.1724	0.0040	0.0022	0.0030	0.0066	0.2501	0.0055
34	1.0000	0.1677	0.0011	0.0014	0.0016	0.0042	0.2514	0.0012
35	1.0000	0.2057	0.0011	0.0016	0.0015	0.0040	0.2621	0.0008
36	1.0000	0.2314	0.0013	0.0011	0.0012	0.0034	0.2647	0.0010
37	1.0000	0.1701	0.0088	0.0019	0.0021	0.0092	0.5130	0.0034
38	1.0000	0.1603	0.0028	0.0016	0.0033	0.0030	0.2530	0.0031
39	1.0000	0.1963	0.0016	0.0011	0.0017	0.0030	0.2707	0.0018
40	1.0000	0.2290	0.0011	0.0013	0.0009	0.0018	0.2797	0.0012
41	1.0000	0.3656	0.0020	0.0012	0.0009	0.0034	0.2679	0.0009
42	1.0000	0.3659	0.0026	0.0014	0.0022	0.0062	0.5110	0.0017
43	1.0000	0.2240	0.0018	0.0008	0.0017	0.0035	0.3988	0.0024
44	1.0000	0.2277	0.0014	0.0011	0.0015	0.0030	0.2608	0.0010
45	1.0000	0.2343	0.0016	0.0009	0.0019	0.0019	0.2597	0.0024
46	1.0000	0.1665	0.0036	0.0025	0.0018	0.0038	0.2443	0.0053
47	1.0000	0.3936	0.0029	0.0020	0.0015	0.0039	0.2721	0.0029
48	1.0000	0.2194	0.0043	0.0017	0.0022	0.0063	0.5222	0.0027
49	1.0000	0.1574	0.0043	0.0031	0.0017	0.0042	0.2535	0.0020
50	1.0000	0.3545	0.0027	0.0018	0.0030	0.0050	0.5417	0.0013
51	1.0000	0.1749	0.0029	0.0015	0.0024	0.0042	0.2704	0.0015
52	1.0000	0.4112	0.0031	0.0020	0.0011	0.0029	0.2712	0.0025
53	1.0000	0.1711	0.0081	0.0028	0.0059	0.0072	0.5122	0.0035
54	1.0000	0.1674	0.0013	0.0013	0.0015	0.0035	0.2569	0.0038
55	1.0000	0.2030	0.0009	0.0012	0.0012	0.0033	0.2683	0.0012
56	1.0000	0.2181	0.0012	0.0012	0.0011	0.0026	0.2769	0.0009
57	1.0000	0.3756	0.0020	0.0007	0.0017	0.0024	0.2707	0.0019

	Dist_cm_	PSD_B1	PSD_B2	PSD_B3	PSD_B4	PSD_B5	PSD_B6	PSD_B7
58	1.0000	0.3148	0.0051	0.0017	0.0022	0.0068	0.5535	0.0038
59	1.0000	0.2341	0.0018	0.0021	0.0050	0.0047	0.3379	0.0020
60	1.0000	0.2213	0.0016	0.0013	0.0017	0.0027	0.2913	0.0012
61	2.0000	0.0810	0.0006	0.0011	0.0013	0.0026	0.1160	0.0007
62	2.0000	0.0966	0.0007	0.0007	0.0011	0.0017	0.1379	0.0007
63	2.0000	0.1720	0.0018	0.0015	0.0013	0.0016	0.1063	0.0017
64	2.0000	0.0728	0.0024	0.0012	0.0021	0.0041	0.2147	0.0026
65	2.0000	0.0689	0.0011	0.0012	0.0007	0.0020	0.1132	0.0015
66	2.0000	0.0801	0.0011	0.0008	0.0009	0.0009	0.1078	0.0006
67	2.0000	0.0877	0.0016	0.0007	0.0008	0.0014	0.1149	0.0009
68	2.0000	0.1692	0.0014	0.0007	0.0011	0.0023	0.1131	0.0012
69	2.0000	0.1421	0.0012	0.0011	0.0011	0.0055	0.2270	0.0017
70	2.0000	0.0902	0.0016	0.0009	0.0017	0.0019	0.1504	0.0011
71	2.0000	0.1028	0.0010	0.0009	0.0004	0.0010	0.1181	0.0005
72	2.0000	0.0760	0.0024	0.0012	0.0016	0.0037	0.2117	0.0019
73	2.0000	0.1751	0.0018	0.0009	0.0015	0.0032	0.1133	0.0018
74	2.0000	0.1134	0.0028	0.0007	0.0026	0.0038	0.2193	0.0015
75	2.0000	0.0970	0.0008	0.0008	0.0007	0.0021	0.1172	0.0005
76	2.0000	0.1652	0.0019	0.0015	0.0006	0.0017	0.1403	0.0017
77	2.0000	0.0942	0.0016	0.0009	0.0017	0.0018	0.1218	0.0015
78	2.0000	0.1653	0.0018	0.0007	0.0012	0.0026	0.1150	0.0018
79	2.0000	0.0749	0.0010	0.0006	0.0013	0.0019	0.1139	0.0008
80	2.0000	0.0919	0.0008	0.0013	0.0010	0.0022	0.1018	0.0014
81	2.0000	0.0983	0.0016	0.0012	0.0017	0.0019	0.1269	0.0010
82	2.0000	0.0862	0.0011	0.0008	0.0005	0.0016	0.1159	0.0006
83	2.0000	0.0644	0.0019	0.0009	0.0008	0.0021	0.1134	0.0021
84	2.0000	0.0897	0.0012	0.0014	0.0014	0.0036	0.1824	0.0019
85	2.0000	0.0995	0.0012	0.0010	0.0007	0.0022	0.1161	0.0005
86	2.0000	0.1048	0.0010	0.0010	0.0009	0.0023	0.1094	0.0009
87	2.0000	0.0674	0.0029	0.0015	0.0012	0.0048	0.1114	0.0021
88	2.0000	0.1447	0.0015	0.0013	0.0015	0.0034	0.2079	0.0020
89	2.0000	0.0980	0.0012	0.0011	0.0013	0.0027	0.1431	0.0019
90	2.0000	0.1030	0.0007	0.0010	0.0007	0.0014	0.1137	0.0006
91	3.0000	0.0625	0.0009	0.0007	0.0014	0.0022	0.0681	0.0012

	Dist_cm_	PSD_B1	PSD_B2	PSD_B3	PSD_B4	PSD_B5	PSD_B6	PSD_B7
92	3.0000	0.0449	0.0017	0.0010	0.0015	0.0020	0.0666	0.0012
93	3.0000	0.0376	0.0010	0.0014	0.0008	0.0016	0.0637	0.0020
94	3.0000	0.0472	0.0008	0.0013	0.0011	0.0010	0.0639	0.0008
95	3.0000	0.0927	0.0019	0.0008	0.0011	0.0011	0.0772	0.0016
96	3.0000	0.0548	0.0006	0.0008	0.0009	0.0019	0.0633	0.0010
97	3.0000	0.0355	0.0020	0.0012	0.0007	0.0015	0.0638	0.0018
98	3.0000	0.0429	0.0013	0.0012	0.0011	0.0021	0.0606	0.0013
99	3.0000	0.0639	0.0011	0.0008	0.0007	0.0011	0.0666	0.0006
100	3.0000	0.0547	0.0007	0.0009	0.0007	0.0010	0.0666	0.0009
⋮								

```
%Método Bomba atómica: utilizando la herramienta de importación de datos.
```

```

```

Función custom de import file:

```
%Para sonda Cassini.
%cassini=importfile_cassini("../../Utils4SP/Datasets/05358_mrdcd_sdfgmc_krtp_1s.asc")
```

importar Audio

```
[y,fs]=audioread("../../Clase digitalización/Utils4SP/Datasets/Owl.wav")
```

```
y = 38920×2
   -0.0084   -0.0084
   -0.0085   -0.0085
   -0.0088   -0.0087
   -0.0085   -0.0085
   -0.0083   -0.0083
   -0.0084   -0.0083
   -0.0084   -0.0084
   -0.0088   -0.0088
   -0.0088   -0.0089
   -0.0089   -0.0094
      ⋮
fs = 22050
```

Datastore

```
%Primero se indica que una carpeta es un datastore:
ds=datastore("../../Clase digitalización/Utils4SP/Datasets/AtmosferaLogger_V2/")
```

```
ds =
  TabularTextDatastore with properties:

                     Files: {
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210722.TXT';
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210723.TXT';
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210724.TXT'
                             ... and 3 more
                            }
                   Folders: {
                            ' ...\Desktop\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2'
                            }
              FileEncoding: 'UTF-8'
   AlternateFileSystemRoots: {}
      PreserveVariableNames: false
          ReadVariableNames: false
              VariableNames: {'Var1', 'Var2', 'Var3' ... and 2 more}
             DatetimeLocale: en_US

  Text Format Properties:
             NumHeaderLines: 0
                  Delimiter: '\t'
               RowDelimiter: '\r\n'
             TreatAsMissing: ''
               MissingValue: NaN

  Advanced Text Format Properties:
            TextscanFormats: {'%q', '%f', '%f' ... and 2 more}
                   TextType: 'char'
          ExponentCharacters: 'eEdD'
                CommentStyle: ''
                  Whitespace: ' \b'
    MultipleDelimitersAsOne: false

  Properties that control the table returned by preview, read, readall:
      SelectedVariableNames: {'Var1', 'Var2', 'Var3' ... and 2 more}
            SelectedFormats: {'%q', '%f', '%f' ... and 2 more}
                   ReadSize: 20000 rows
                 OutputType: 'table'
                   RowTimes: []

  Write-specific Properties:
     SupportedOutputFormats: ["txt"    "csv"    "xlsx"    "xls"    "parquet"    "parq"]
        DefaultOutputFormat: "txt"
```

```
ds.VariableNames=["Fecha_Hora" "Presion_kpa" "Temp_C" "Hum_perc" "Bat_V"]
```

```
ds =
  TabularTextDatastore with properties:

                     Files: {
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210722.TXT';
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210723.TXT';
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210724.TXT'
                             ... and 3 more
                            }
                   Folders: {
                            ' ...\Desktop\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2'
                            }
              FileEncoding: 'UTF-8'
   AlternateFileSystemRoots: {}
      PreserveVariableNames: false
          ReadVariableNames: false
              VariableNames: {'Fecha_Hora', 'Presion_kpa', 'Temp_C' ... and 2 more}
```

```
           DatetimeLocale: en_US

  Text Format Properties:
             NumHeaderLines: 0
                  Delimiter: '\t'
               RowDelimiter: '\r\n'
             TreatAsMissing: ''
               MissingValue: NaN

  Advanced Text Format Properties:
            TextscanFormats: {'%q', '%f', '%f' ... and 2 more}
                   TextType: 'char'
         ExponentCharacters: 'eEdD'
                CommentStyle: ''
                  Whitespace: ' \b'
    MultipleDelimitersAsOne: false

  Properties that control the table returned by preview, read, readall:
      SelectedVariableNames: {'Fecha_Hora', 'Presion_kpa', 'Temp_C' ... and 2 more}
            SelectedFormats: {'%q', '%f', '%f' ... and 2 more}
                   ReadSize: 20000 rows
                 OutputType: 'table'
                   RowTimes: []

  Write-specific Properties:
     SupportedOutputFormats: ["txt"    "csv"    "xlsx"    "xls"    "parquet"    "parq"]
        DefaultOutputFormat: "txt"
```

```
%Se exportan las variables almacenadas en columnas en todos los
%archivos de la carpeta:
atmosfera=readall(ds)
```

atmosfera = 84572×5 table

	Fecha_Hora	Presion_kpa	Temp_C	Hum_perc	Bat_V
1	'210722 22:...	78.5700	27.1800	48.4000	4.4800
2	'210722 22:...	78.5800	27.3500	48.5300	4.4900
3	'210722 22:...	78.5800	27.2800	48.4300	4.4600
4	'210722 22:...	78.5800	27.0700	47.9800	4.4500
5	'210722 22:...	78.5800	27.0100	48.2000	4.4500
6	'210722 22:...	78.5900	26.9100	47.8900	4.4900
7	'210722 22:...	78.5800	26.8600	48.7200	4.4700
8	'210722 22:...	78.5800	26.8100	48.0300	4.4500
9	'210722 22:...	78.5800	26.7700	48.4800	4.4800
10	'210722 22:...	78.5800	26.7200	48.3000	4.4700
11	'210722 22:...	78.5800	26.6800	48.5600	4.4300
12	'210722 22:...	78.5700	26.6400	48.7000	4.4500
13	'210722 22:...	78.5700	26.5900	48.4800	4.4500
14	'210722 22:...	78.5800	26.5600	48.7100	4.4900
15	'210722 22:...	78.5800	26.5100	48.4500	4.4400
16	'210722 22:...	78.5700	26.4800	48.5400	4.4500

	Fecha_Hora	Presion_kpa	Temp_C	Hum_perc	Bat_V
17	'210722 22:...	78.5800	26.4400	48.3600	4.4800
18	'210722 22:...	78.5800	26.3900	48.4700	4.4700
19	'210722 22:...	78.5800	26.3500	48.8800	4.4500
20	'210722 22:...	78.5800	26.3000	48.9000	4.4300
21	'210722 22:...	78.5800	26.2500	48.0400	4.4600
22	'210722 22:...	78.5800	26.2000	48.8800	4.4500
23	'210722 22:...	78.5900	26.1500	48.7600	4.4800
24	'210722 22:...	78.5900	26.1000	48.9700	4.4900
25	'210722 22:...	78.5800	26.0600	49.1700	4.4800
26	'210722 22:...	78.5800	26.0300	49.4500	4.4500
27	'210722 22:...	78.5900	25.9900	49.4300	4.4300
28	'210722 22:...	78.5900	25.9400	49.3200	4.4500
29	'210722 22:...	78.5800	25.9000	49.3400	4.4500
30	'210722 22:...	78.5900	25.8500	49.3700	4.4500
31	'210722 22:...	78.5900	25.8100	49.1700	4.4500
32	'210722 22:...	78.5900	25.7600	49.5200	4.4800
33	'210722 22:...	78.5900	25.7200	49.9800	4.4700
34	'210722 22:...	78.5900	25.6600	49.1600	4.4300
35	'210722 22:...	78.5900	25.6100	49.9300	4.4500
36	'210722 22:...	78.5900	25.5800	49.7900	4.4500
37	'210722 22:...	78.5800	25.5200	49.5900	4.4800
38	'210722 22:...	78.5900	25.4900	49.9600	4.4600
39	'210722 22:...	78.5900	25.4500	50.0400	4.4800
40	'210722 22:...	78.5900	25.4200	50.0900	4.4500
41	'210722 22:...	78.5900	25.3700	50.1700	4.4800
42	'210722 22:...	78.5900	25.3400	49.9100	4.4600
43	'210722 22:...	78.5900	25.3000	49.6700	4.4600
44	'210722 22:...	78.5900	25.2300	50.8700	4.4800
45	'210722 22:...	78.5900	25.2000	50.4600	4.4500
46	'210722 22:...	78.5900	25.1500	50.9800	4.4700
47	'210722 22:...	78.5900	25.1400	50.5900	4.4500
48	'210722 22:...	78.5900	25.0900	50.7900	4.4300
49	'210722 22:...	78.6000	25.0600	50.7000	4.4500
50	'210722 22:...	78.5900	25.0300	50.9100	4.4500

	Fecha_Hora	Presion_kpa	Temp_C	Hum_perc	Bat_V
51	'210722 22:...	78.6000	25.0100	50.9700	4.4800
52	'210722 22:...	78.6000	24.9700	51.0600	4.4800
53	'210722 22:...	78.6000	24.9100	51.1600	4.4800
54	'210722 22:...	78.5900	24.8700	52.0100	4.4600
55	'210722 22:...	78.6000	24.8100	51.3300	4.4800
56	'210722 22:...	78.6000	24.7900	51.4600	4.4500
57	'210722 22:...	78.6000	24.7700	51.4800	4.4400
58	'210722 22:...	78.6000	24.7500	51.3400	4.4400
59	'210722 22:...	78.5900	24.7300	51.6300	4.4900
60	'210722 22:...	78.6000	24.6900	51.6100	4.4700
61	'210722 22:...	78.6000	24.6400	51.8100	4.4500
62	'210722 22:...	78.5900	24.6000	51.9400	4.4500
63	'210722 22:...	78.5900	24.5500	51.6100	4.4600
64	'210722 22:...	78.6000	24.5200	52.1700	4.4700
65	'210722 22:...	78.6000	24.4900	51.9800	4.5100
66	'210722 22:...	78.6000	24.4600	52.8800	4.4500
67	'210722 22:...	78.6000	24.4100	52.0100	4.4600
68	'210722 22:...	78.6000	24.3800	52.4300	4.4500
69	'210722 22:...	78.6000	24.3300	52.2700	4.4500
70	'210722 22:...	78.6000	24.2900	52.8000	4.4600
71	'210722 22:...	78.6000	24.2500	52.8800	4.4500
72	'210722 22:...	78.5900	24.2200	52.6800	4.4300
73	'210722 22:...	78.6000	24.2200	52.7400	4.4500
74	'210722 22:...	78.6000	24.1800	52.6600	4.4500
75	'210722 22:...	78.6000	24.1500	52.9500	4.4600
76	'210722 22:...	78.6000	24.1200	52.9400	4.4800
77	'210722 22:...	78.6000	24.1000	53.3700	4.4500
78	'210722 22:...	78.6000	24.0800	53.0700	4.4500
79	'210722 22:...	78.6000	24.0800	52.8300	4.4600
80	'210722 22:...	78.5900	24.0500	53.0500	4.4700
81	'210722 22:...	78.5900	24.0400	52.6200	4.4800
82	'210722 22:...	78.6000	24.0200	53.4400	4.4600
83	'210722 22:...	78.6000	24.0000	53.3800	4.4600
84	'210722 22:...	78.6000	23.9800	53.2800	4.4500

	Fecha_Hora	Presion_kpa	Temp_C	Hum_perc	Bat_V
85	'210722 22:...	78.6000	23.9600	53.7100	4.4700
86	'210722 22:...	78.6000	23.9300	53.2900	4.4800
87	'210722 22:...	78.5900	23.9000	53.1400	4.4500
88	'210722 22:...	78.5900	23.8700	53.8100	4.4300
89	'210722 22:...	78.6000	23.8500	53.7200	4.4600
90	'210722 22:...	78.6100	23.8200	53.9000	4.4500
91	'210722 22:...	78.6100	23.8000	54.0100	4.4600
92	'210722 22:...	78.6000	23.7900	53.4300	4.4800
93	'210722 22:...	78.6000	23.7600	54.2400	4.4900
94	'210722 22:...	78.6000	23.7500	53.9000	4.4900
95	'210722 22:...	78.6000	23.7500	54.2800	4.4900
96	'210722 22:...	78.6000	23.7500	54.0000	4.4900
97	'210722 22:...	78.6000	23.7200	54.6900	4.4300
98	'210722 22:...	78.5900	23.7100	54.2100	4.4300
99	'210722 22:...	78.6000	23.6700	53.9700	4.4500
100	'210722 22:...	78.6000	23.6400	54.3700	4.4700

⋮

```
%También se pueden asignar los nombres de las variables, accediendo a las
%propedades del archivo:
%atmosfera.Properties.VariableNames=["Fecha/Hora" "Presion_kpa" "Temp_C" "Hum_perc" "Bat_V"];
%Se pueden asignar el formato en el que leera cada variable (texto, numérico, duración, etc)
ds.TextscanFormats=["%s" "%f" "%f" "%f" "%f"]
```

```
ds =
  TabularTextDatastore with properties:

                     Files: {
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210722.TXT';
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210723.TXT';
                            ' ...\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2\210724.TXT'
                             ... and 3 more
                            }
                   Folders: {
                            ' ...\Desktop\Clase digitalización\Utils4SP\Datasets\AtmosferaLogger_V2'
                            }
              FileEncoding: 'UTF-8'
    AlternateFileSystemRoots: {}
       PreserveVariableNames: false
           ReadVariableNames: false
               VariableNames: {'Fecha_Hora', 'Presion_kpa', 'Temp_C' ... and 2 more}
              DatetimeLocale: en_US

  Text Format Properties:
             NumHeaderLines: 0
                  Delimiter: '\t'
               RowDelimiter: '\r\n'
```

```
            TreatAsMissing: ''
              MissingValue: NaN

  Advanced Text Format Properties:
            TextscanFormats: {'%s', '%f', '%f' ... and 2 more}
                   TextType: 'char'
          ExponentCharacters: 'eEdD'
                CommentStyle: ''
                  Whitespace: ' \b'
    MultipleDelimitersAsOne: false

  Properties that control the table returned by preview, read, readall:
      SelectedVariableNames: {'Fecha_Hora', 'Presion_kpa', 'Temp_C' ... and 2 more}
            SelectedFormats: {'%s', '%f', '%f' ... and 2 more}
                   ReadSize: 20000 rows
                 OutputType: 'table'
                   RowTimes: []

  Write-specific Properties:
     SupportedOutputFormats: ["txt"    "csv"    "xlsx"    "xls"    "parquet"    "parq"]
        DefaultOutputFormat: "txt"
```

Reordenando

```
%Para el caso en el que Matlab importa la fecha y hora en dos columnas
%diferentes:
%atmosfera.DateTime=string(atmosfera.Fecha)+ " " + string(atmosfera.Hora);
%Para convertir a formato de tiempo, la variable "Fecha_Hora" que tiene formato string:
atmosfera.Fecha_Hora=datetime(atmosfera.Fecha_Hora, 'format',"yyyyMMdd HH:mm:ss");
```