Ex1_Win_SASPy_etc

April 25, 2019

```
In [56]: import pandas as pd
         df=pd.read_csv('/SASCourse/Week14/TV_Data_noheader.csv', names=['opinion', 'party', 'ir
         print(df)
               opinion
                               party
                                      income
                                               age
0
                 Agree
                         Republican
                                       35000
                                                30
1
             Disagree
                           Democrat
                                       40000
                                                50
2
       Strongly Agree
                        Independent
                                      100000
                                                40
3
           No Opinion
                        Green Party
                                       90000
                                                45
4
    Strongly Disagree
                           Democrat
                                       65000
                                                45
5
             Disagree
                        Independent
                                       55000
                                                39
6
       Strongly Agree
                        Green Party
                                       75000
                                                80
7
           No Opinion
                        Independent
                                                70
                                       55000
8
    Strongly Disagree
                        Green Party
                                       28000
                                                30
9
           No Opinion
                           Democrat
                                       80000
                                                45
    Strongly Disagree
                        Independent
                                       45000
                                                25
11
             Disagree
                        Green Party
                                      110000
                                                45
12
                           Democrat
                                       55000
                                                60
                 Agree
                        Independent
13
             Disagree
                                       37000
                                                29
14
       Strongly Agree
                        Green Party
                                       81000
                                                81
15
                        Green Party
           No Opinion
                                       59000
                                                40
16
    Strongly Disagree
                                      150000
                                                45
                           Democrat
17
              Disagree
                        Independent
                                       67000
                                                61
18
       Strongly Agree
                        Green Party
                                       78000
                                                45
19
           No Opinion
                        Independent
                                      200000
                                                52
20
    Strongly Disagree
                        Green Party
                                        8000
                                                21
21
                        Green Party
                                       55000
           No Opinion
                                                50
    Strongly Disagree
                        Independent
                                       70000
                                                39
22
23
             Disagree
                        Green Party
                                       67000
                                                40
In [57]: import pandas as pd
         url = "https://simple.wikipedia.org/wiki/List_of_U.S._states"
         mylist = pd.read_html(url)
         print(mylist)
0
                                                               2
                                                                                3
                                                                                     \
                                              1
0
                           Name &
                                           Abbr
                                                          Cities
                                                                     Established
```

1 Capital Largest[3] mi2	km2
2 Alabama AL Montgomery	Birmingham
3 Alaska AK Juneau	Anchorage
4 Arizona AZ Phoenix	Feb 14, 1912
5 Arkansas AR Little Rock	Jun 15, 1836
6 California CA Sacramento	Los Angeles
7 Colorado CO Denver	Aug 1, 1876
8 Connecticut CT Hartford	Bridgeport
9 Delaware DE Dover	Wilmington
10 Florida FL Tallahassee	Jacksonville
11 Georgia GA Atlanta	Jan 2, 1788
12 Hawaii HI Honolulu	Aug 21, 1959
13 Idaho ID Boise	Jul 3, 1890
14 Illinois IL Springfield	Chicago
15 Indiana IN Indianapolis	Dec 11, 1816
16 Iowa IA Des Moines	Dec 28, 1846
17 Kansas KS Topeka	Wichita
18 Kentucky[upper-alpha 2] KY Frankfort	Louisville
19 Louisiana LA Baton Rouge	New Orleans
20 Maine ME Augusta	Portland
21 Maryland MD Annapolis	Baltimore
22 Massachusetts[upper-alpha 2] MA Boston	Feb 6, 1788
23 Michigan MI Lansing	Detroit
24 Minnesota MN St. Paul	Minneapolis
25 Mississippi MS Jackson	Dec 10, 1817
26 Missouri MO Jefferson City	Kansas City
27 Montana MT Helena	Billings
28 Nebraska NE Lincoln	Omaha
29 Nevada NV Carson City	Las Vegas
30 New Hampshire NH Concord	Manchester
31 New Jersey NJ Trenton	Newark
32 New Mexico NM Santa Fe	Albuquerque
33 New York NY Albany	New York
34 North Carolina NC Raleigh	Charlotte
35 North Dakota ND Bismarck	Fargo
36 Ohio OH Columbus	Mar 1, 1803
37 Oklahoma OK Oklahoma City	Nov 16, 1907
38 Oregon OR Salem	Portland
39 Pennsylvania[upper-alpha 2] PA Harrisburg	Philadelphia
40 Rhode Island[upper-alpha 3] RI Providence	May 29, 1790
41 South Carolina SC Columbia	Charleston
42 South Dakota SD Pierre	Sioux Falls
Tennessee TN Nashville	
10 101111010000 110 1010111111111111111	Jun 1, 1796
44 Texas TX Austin	Jun 1, 1796 Houston
44 Texas TX Austin	Houston
44 Texas TX Austin	Houston Jan 4, 1896
44 Texas TX Austin 45 Utah UT Salt Lake City 46 Vermont VT Montpelier	Houston

49	West Virginia	WV	Charleston	Jun 20, 1863	
50	Wisconsin	WI	Madison	Milwaukee	
51	Wyoming	WY	Cheyenne	Jul 10, 1890	
	4	5	6	7	/
0	Population[upper-alpha 1][1]	Total area[2]	Land area[2]	Water area[2]	
1	mi2	km2	mi2	km2	
2	Dec 14, 1819	4874747	52420	135767	
3	Jan 3, 1959	739795	665384	1723337	
4	7016270	113990	295234	113594	
5	3004279	53179	137732	52035	
6	Sep 9, 1850	39536653	163695	423967	
7	5607154	104094	269601	103642	
8	Jan 9, 1788	3588184	5543	14357	
9	Dec 7, 1787	961939	2489	6446	
10	Mar 3, 1845	20984400	65758	170312	
11	10429379	59425	153910	57513	
12	1427538	10932	28313	6423	
13	1716943	83569	216443	82643	
14	Dec 3, 1818	12802023	57914	149995	
15	6666818	36420	94326	35826	
16	3145711	56273	145746	55857	
17	Jan 29, 1861	2913123	82278	213100	
18	Jun 1, 1792	4454189	40408	104656	
19	Apr 30, 1812	4684333	52378	135659	
20	Mar 15, 1820	1335907	35380	91633	
21	Apr 28, 1788	6052177	12406	32131	
22	6859819	10554	27336	7800	
23	Jan 26, 1837	9962311	96714	250487	
24	May 11, 1858	5576606	86936	225163	
25	2984100	48432	125438	46923	
26	Aug 10, 1821	6113532	69707	180540	
27	Nov 8, 1889	1050493	147040	380831	
28	Mar 1, 1867	1920076	77348	200330	
29	Oct 31, 1864	2998039	110572	286380	
30	Jun 21, 1788	1342795	9349	24214	
31	Dec 18, 1787	9005644	8723	22591	
32	Jan 6, 1912	2088070	121590	314917	
33	Jul 26, 1788	19849399	54555	141297	
34	Nov 21, 1789	10273419	53819	139391	
35	Nov 2, 1889	755393	70698	183108	
36	11658609	44826	116098	40861	
37	3930864	69899	181037	68595	
38	Feb 14, 1859	4142776	98379	254799	
39	Dec 12, 1787	12805537	46054	119280	
40	1059639	1545	4001	1034	
41	May 23, 1788	5024369	32020	82933	
42	Nov 2, 1889	869666	77116	199729	

43		6715984		42144		109153	41235
44		Dec 29, 1845				268596	
45		3101833		84897		219882	
46		Mar 4, 1791				9616	
47		Jun 25, 1788				42775	
48		Nov 11, 18				71298	
49				24230		62756	
50							169635
51		5793	15	97813		253335	97093
	8	9	10	11	12		
0	Numberof Reps.	NaN	NaN	NaN	${\tt NaN}$		
1	NaN	NaN	NaN	NaN	NaN		
2	50645	131171.0	1775.0	4597.0	7.0		
3	570641	1477953.0	94743.0	245384.0	1.0		
4	294207	396.0	1026.0	9.0	${\tt NaN}$		
5	134771	1143.0	2961.0	4.0	${\tt NaN}$		
6	155779	403466.0	7916.0	20501.0	53.0		
7	268431	452.0	1170.0	7.0	${\tt NaN}$		
8	4842	12542.0	701.0	1816.0	5.0		
9	1949	5047.0	540.0	1399.0	1.0		
10	53625	138887.0	12133.0	31424.0	27.0		
11	148959	1912.0	4951.0	14.0	NaN		
12	16635	4509.0	11678.0	2.0	NaN		
13	214045	926.0	2398.0	2.0	${\tt NaN}$		
14	55519	143793.0	2395.0	6202.0	18.0		
15	92789	593.0	1537.0	9.0	${\tt NaN}$		
16	144669	416.0			NaN		
17	81759	211754.0	520.0	1346.0	4.0		
18	39486	102269.0	921.0	2387.0	6.0		
19	43204	111898.0	9174.0	23761.0	6.0		
20		79883.0	4537.0		2.0		
21	9707	25142.0	2699.0	6990.0	8.0		
22	20202	2754.0	7134.0	9.0	NaN		
23	56539	146435.0	40175.0	104052.0	14.0		
24	79627	206232.0	7309.0	18930.0	8.0		
25	121531	1508.0	3907.0	4.0	NaN		
26	68742	178040.0	965.0	2501.0	8.0		
27	145546	376962.0	1494.0	3869.0	1.0		
28	76824	198974.0	524.0	1356.0	3.0		
29	109781	284332.0	791.0	2048.0	4.0		
30	8953	23187.0	397.0	1027.0	2.0		
31	7354	19047.0	1368.0	3544.0	12.0		
32	121298	314161.0	292.0	757.0	3.0		
33	47126	122057.0	7429.0	19240.0	27.0		
34	48618	125920.0	5201.0	13471.0	13.0		
35	69001	178711.0	1698.0	4397.0	1.0		
36	105829	3965.0	10269.0	16.0	NaN		

```
37
                       1304.0
                                3377.0
                                              5.0
            177660
                                                    NaN
                                                    5.0
38
             95988
                     248608.0
                                2391.0
                                          6191.0
39
             44743
                     115883.0
                                1312.0
                                          3397.0 18.0
40
              2678
                        511.0
                                1324.0
                                              2.0
                                                    NaN
             30061
                                1960.0
                                                    7.0
41
                      77857.0
                                          5076.0
42
             75811
                     196350.0
                                1305.0
                                          3379.0
                                                    1.0
43
            106798
                        909.0
                                2355.0
                                              9.0
                                                    NaN
44
            261232
                     676587.0
                                7365.0
                                         19075.0
                                                  36.0
45
            212818
                       2727.0
                                7064.0
                                              4.0
                                                    NaN
46
              9217
                      23871.0
                                400.0
                                          1035.0
                                                    1.0
47
                     102279.0
                                3285.0
             39490
                                          8508.0 11.0
48
             66456
                     172119.0
                                4842.0
                                         12542.0 10.0
49
             62259
                        192.0
                                497.0
                                              3.0
                                                    NaN
50
                     140268.0 11339.0
             54158
                                         29367.0
                                                    8.0
51
            251470
                        720.0
                                1864.0
                                                    NaN ]
                                              1.0
```

SAS Connection established. Subprocess id is 13184

Out[58]:	Variable		Label	N	NMiss	Median	Mean	\
0	MSRP		NaN	428	0	27635.0	32774.855140	
1	Invoice		NaN	428	0	25294.5	30014.700935	
2	EngineSize	Engine Siz	ze (L)	428	0	3.0	3.196729	
3	Cylinders		NaN	426	2	6.0	5.807512	
4	Horsepower		NaN	428	0	210.0	215.885514	
5	MPG_City	MPG	(City)	428	0	19.0	20.060748	
6	$\mathtt{MPG_Highway}$	MPG (Hig	ghway)	428	0	26.0	26.843458	
7	Weight	Weight	(LBS)	428	0	3474.5	3577.953271	
8	Wheelbase	Wheelbase	e (IN)	428	0	107.0	108.154206	
9	Length	Lengtl	n (IN)	428	0	187.0	186.362150	
	StdDev	Min	P	25	P50	P75	Max	
0	19431.716674	10280.0	20329.	50	27635.0	39215.0	192465.0	
1	17642.117750	9875.0	18851.	00	25294.5	35732.5	173560.0	
2	1.108595	1.3	2.	35	3.0	3.9	8.3	
3	1.558443	3.0	4.	00	6.0	6.0	12.0	
4	71.836032	73.0	165.	00	210.0	255.0	500.0	
5	5.238218	10.0	17.	00	19.0	21.5	60.0	
6	5.741201	12.0	24.	00	26.0	29.0	66.0	
7	758.983215	1850.0	3103.	00	3474.5	3978.5	7190.0	

```
8
                8.311813
                            89.0
                                     103.00
                                               107.0
                                                        112.0
                                                                  144.0
         9
               14.357991
                            143.0
                                     178.00
                                               187.0
                                                        194.0
                                                                  238.0
In [59]: import saspy
         import pandas as pd
         sas = saspy.SASsession(cfgname='winlocal')
         w_class = sas.sasdata("CLASS", "SASHELP")
         w_class.describe()
SAS Connection established. Subprocess id is 12908
Out [59]:
          Variable
                     N NMiss Median
                                              Mean
                                                       StdDev
                                                               Min
                                                                      P25
                                                                            P50
                                                                                   P75 \
                Age 19
                                  13.0
                                         13.315789
                                                     1.492672 11.0 12.0 13.0
                                                                                  15.0
                                  62.8
                                         62.336842
                                                     5.127075 51.3 57.5 62.8
         1
            Height 19
                             0
                                                                                  66.5
            Weight 19
                             0
                                  99.5 100.026316 22.773933 50.5 84.0 99.5 112.5
            Max
         0
            16
            72
         2 150
In [60]: import saspy
         import pandas as pd
         sas = saspy.SASsession(cfgname='winlocal')
        w_class = sas.sasdata("CLASS", "SASHELP")
         code=sas.teach_me_SAS(1)
         w_class.columnInfo()
SAS Connection established. Subprocess id is 12800
proc contents data=SASHELP.CLASS ;ods select Variables;run;
In [61]: import saspy
         import pandas as pd
         sas = saspy.SASsession(cfgname='winlocal')
         %cd C:\SASCourse\Week14
        p_class = pd.read_sas('class.sas7bdat', format='sas7bdat', encoding="utf-8")
        p_class.describe()
SAS Connection established. Subprocess id is 7572
C:\SASCourse\Week14
SAS Connection terminated. Subprocess id was 11240
SAS Connection terminated. Subprocess id was 12908
```

```
Out[61]:
                      Age
                             Height
                                          Weight
        count 19.000000 19.000000
                                       19.00000
                13.315789 62.336842 100.026316
        mean
                1.492672 5.127075
                                      22.773933
        std
                11.000000 51.300000 50.500000
        min
         25%
               12.000000 58.250000 84.250000
        50%
               13.000000 62.800000 99.500000
               14.500000 65.900000 112.250000
        75%
                16.000000 72.000000 150.000000
        max
In [62]: import saspy
         sas = saspy.SASsession(cfgname='winlocal')
SAS Connection established. Subprocess id is 12680
In [63]: %%SAS
        proc print data=sashelp.class (obs=5);
        run;
Out[63]: <IPython.core.display.HTML object>
In [64]: # List directories
         import os, sys
        path_x='/SASCourse'
        dirs = os.listdir( path_x )
        print(dirs)
['.git', '.gitignore', 'Assessments', 'Assignments', 'Clickable_URLs_SASTopics', 'have.csv', 'LI
In [65]: import os
        os.getcwd()
         os.chdir('/SASCourse/Week1')
        files = os.listdir(os.curdir)
        print(files)
['Ex10_Data_step_view_etc.sas', 'Ex11_proc_print.sas', 'Ex12_Data_step_without_datalines.sas', '
In [66]: import sys
        sys.path
Out[66]: ['C:\\Users\\pmuhuri',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\python37.zip',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\DLLs',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\lib',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3',
```

```
'C:\\Users\\pmuhuri\\AppData\\Roaming\\Python\\Python37\\site-packages',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\lib\\site-packages',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\lib\\site-packages\\win32',
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\lib\\site-packages\\win32\\
          C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\lib\\site-packages\\Pythonw
          'C:\\Users\\pmuhuri\\AppData\\Local\\Continuum\\anaconda3\\lib\\site-packages\\IPython
          'C:\\Users\\pmuhuri\\.ipython']
In [67]: # https://thispointer.com/python-how-to-qet-list-of-files-in-directory-and-sub-directory
         import os
         def getListOfFiles(dirName):
             # create a list of file and sub directories
             # names in the given directory
             listOfFile = os.listdir(dirName)
             allFiles = list()
             # Iterate over all the entries
             for entry in listOfFile:
                 # Create full path
                 fullPath = os.path.join(dirName, entry)
                 # If entry is a directory then get the list of files in this directory
                 if os.path.isdir(fullPath):
                     allFiles = allFiles + getListOfFiles(fullPath)
                 else:
                     allFiles.append(fullPath)
             return allFiles
         import pandas as pd
         dirName = '/SASCourse';
         # Get the list of all files in directory tree at given path
         listOfFiles = getListOfFiles(dirName)
         df = pd.DataFrame(listOfFiles)
         print(df)
0
                         /SASCourse\.git\COMMIT_EDITMSG
       /SASCourse\.git\Compiled_Macros\sasmacr.sas7bcat
1
2
                                 /SASCourse\.git\config
3
                            /SASCourse\.git\description
4
                             /SASCourse\.git\FETCH_HEAD
5
                                   /SASCourse\.git\HEAD
6
            /SASCourse\.git\hooks\applypatch-msg.sample
7
                /SASCourse\.git\hooks\commit-msg.sample
        /SASCourse\.git\hooks\fsmonitor-watchman.sample
8
9
               /SASCourse\.git\hooks\post-update.sample
            /SASCourse\.git\hooks\pre-applypatch.sample
10
                /SASCourse\.git\hooks\pre-commit.sample
11
```

```
12
                  /SASCourse\.git\hooks\pre-push.sample
13
                /SASCourse\.git\hooks\pre-rebase.sample
14
               /SASCourse\.git\hooks\pre-receive.sample
15
        /SASCourse\.git\hooks\prepare-commit-msg.sample
                    /SASCourse\.git\hooks\update.sample
16
17
                                   /SASCourse\.git\index
18
                            /SASCourse\.git\info\exclude
19
                               /SASCourse\.git\logs\HEAD
20
                 /SASCourse\.git\logs\refs\heads\master
          /SASCourse\.git\logs\refs\heads\SASCourse_rev
21
22
          /SASCourse\.git\logs\refs\remotes\origin\HEAD
23
        /SASCourse\.git\logs\refs\remotes\origin\master
24
      /SASCourse\.git\logs\refs\remotes\origin\SASCo...
25
      /SASCourse\.git\objects\00\a680e839a02561602f7...
26
      /SASCourse\.git\objects\00\b3ae3a0a54838911c66...
27
      /SASCourse\.git\objects\00\ea587a0c3f6071cbd26...
28
      /SASCourse\.git\objects\00\f0a349fc2268af9b6df...
29
      /SASCourse\.git\objects\01\0b96f8789c91acce5f3...
1131
                   /SASCourse\Week7\Week7_Handouts.docx
1132
                    /SASCourse\Week7\Week7_Handouts.pdf
                   /SASCourse\Week7\~$ek7_Handouts.docx
1133
1134
      /SASCourse\Week9\Ex10_create_macro_vars_call_s...
        /SASCourse\Week9\Ex11_create_macro_vars_sql.sas
1135
1136
        /SASCourse\Week9\Ex12_GetInfo_Host_Computer.sas
                        /SASCourse\Week9\Ex13_Macro.sas
1137
1138
           /SASCourse\Week9\Ex14_symlocal_symglobal.sas
                 /SASCourse\Week9\Ex15_Indirect_ref.sas
1139
          /SASCourse\Week9\Ex16_posi_key_para_macro.sas
1140
1141
                   /SASCourse\Week9\Ex17_put_putlog.sas
1142
         /SASCourse\Week9\Ex18_Week_9_List_of_Files.sas
           /SASCourse\Week9\Ex19_Macro_Vars_Resolve.sas
1143
1144
      /SASCourse\Week9\Ex1_Motivation_for_macro_vari...
1145
                       /SASCourse\Week9\Ex20_SYMGET.sas
       /SASCourse\Week9\Ex21_Delete_Macro_Variables.sas
1146
          /SASCourse\Week9\Ex22_Macro_vars_num_char.sas
1147
1148
                   /SASCourse\Week9\Ex2_percent_let.sas
1149
             /SASCourse\Week9\Ex3_Putlog_PercentPut.sas
             /SASCourse\Week9\Ex4_Text_Substitution.sas
1150
1151
                   /SASCourse\Week9\Ex5_Lookup_mvar.sas
1152
           /SASCourse\Week9\Ex6_Join_macro_var_text.sas
          /SASCourse\Week9\Ex7_indirect_reference_1.sas
1153
1154
                  /SASCourse\Week9\Ex8_Global_Local.sas
           /SASCourse\Week9\Ex9_macro_vars_transfer.sas
1155
1156
               /SASCourse\Week9\Resolve_macro_vars.xlsx
1157
                           /SASCourse\Week9\SomeData.txt
1158
                   /SASCourse\Week9\Week9_Handouts.docx
1159
                    /SASCourse\Week9\Week9_Handouts.pdf
```

```
1160
                   /SASCourse\Week9\~$ek9_Handouts.docx
[1161 rows x 1 columns]
In [68]: import pandas as pd
         from pathlib import Path
         import time
         p = Path("/SASCourse/Week1")
         all_files = []
         for i in p.rglob('*.*'):
             all_files.append((i.name, i.parent, time.ctime(i.stat().st_ctime)))
         columns = ["File_Name", "Parent", "Created"]
         df = pd.DataFrame.from_records(all_files, columns=columns)
         print(df.iloc[:,0])
0
               Ex10_Data_step_view_etc.sas
1
                       Ex11_proc_print.sas
2
      Ex12_Data_step_without_datalines.sas
3
                    Ex13_Syntax_Errors.sas
4
                 Ex14_Pathname_Library.sas
5
                              Ex1_DSPS.sas
6
                          Ex2_Comments.sas
7
                     Ex3_DataProcSteps.sas
8
                          Ex4_DM_Clear.sas
9
                      Ex5_proc_printto.sas
10
             Ex6_Conpilation_Execution.sas
         Ex7_Referencing_SAS_Data_Sets.sas
11
                  Ex8_Contents_all_ods.sas
12
                Ex9_Contents_many_ways.sas
13
14
                                PP_log.TXT
15
                             PP_OUTPUT.TXT
16
                       Week1_Handouts.docx
17
                        Week1_Handouts.pdf
Name: File_Name, dtype: object
In [69]: from pathlib import Path
         dir = Path('C:/Users/pmuhuri/Documents')
         files = dir.glob('*.docx')
         for i in files:
             print(i)
```

C:\Users\pmuhuri\Documents\Added_sspiauth_dll_to_PATH_environment_var.docx

C:\Users\pmuhuri\Documents\anacona_address.docx
C:\Users\pmuhuri\Documents\AnacondaPycharm.docx

```
C:\Users\pmuhuri\Documents\CCAS_Computer_Login_Issue.docx
C:\Users\pmuhuri\Documents\For_CCAS.docx
C:\Users\pmuhuri\Documents\In Dell Computer.docx
C:\Users\pmuhuri\Documents\JetBrain_AnacondaPycharm.docx
C:\Users\pmuhuri\Documents\Jupytor_SAS_Python_PyCharm.docx
C:\Users\pmuhuri\Documents\Licensed_SAS_JupyterLab.docx
C:\Users\pmuhuri\Documents\Pandas.docx
C:\Users\pmuhuri\Documents\Pop_issuues.docx
C:\Users\pmuhuri\Documents\Potental_Topics_Final_Exam_Spring_2019.docx
C:\Users\pmuhuri\Documents\Python as a calculator.docx
C:\Users\pmuhuri\Documents\py_workshops.docx
C:\Users\pmuhuri\Documents\SASpy.docx
C:\Users\pmuhuri\Documents\saspy_class.docx
C:\Users\pmuhuri\Documents\SAS_UE_power_off.docx
C:\Users\pmuhuri\Documents\Survival_Function.docx
C:\Users\pmuhuri\Documents\survival_models.docx
C:\Users\pmuhuri\Documents\Washington_Kali_Temple_Donation_Receipts_2018.docx
C:\Users\pmuhuri\Documents\Week11_Handouts_Fall2018.docx
C:\Users\pmuhuri\Documents\Working efficiently with JupyterLab Notebooks.docx
C:\Users\pmuhuri\Documents\~$ Dell Computer.docx
C:\Users\pmuhuri\Documents\~$SASpy.docx
```

C:\Users\pmuhuri\Documents\~\$S_Topics_in_Papers_Blogs_11_08.docx

C:\Users\pmuhuri\Documents\~\$_workshops.docx

In []: