

Import Data in baselinpolyfit code:

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For FTIR raw spectra's we face differences which can be categorized as below:

1. File format (.txt or .csv)
2. How data's separate (with, or Space)
3. First rows might contain text which needed to be eliminate for calculation

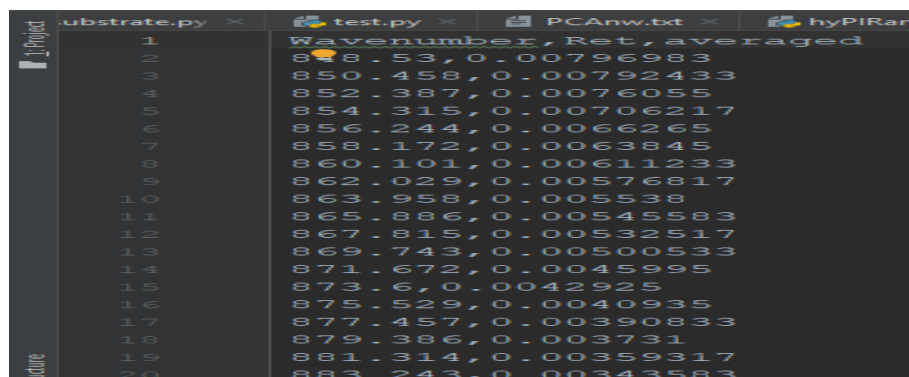
All these issues can be handle in line 28th of the code

For first issue you can import both .csv and .txt files then we don't have any problem we the format,

For second problem you can set delimiter with ",", "and " ", the second one is not empty it need a space
Or you can easily set any other type of delimiter which you desire, (number 1 in image)

The third problem can be overcome by set the number of text rows in skiprows(number 2 in image)if
you have only 1 line of text skiprows should set to 0 and if you have 5 line of text we must write
[0,1,2,3,4] in skiprows, please notice that python numbering start from 0.

For example in this data set (fig 1) line 1 consist text and data separate by " , "



Wavenumber	Ret	averaged
858.53	0.00796983	
850.458	0.00792433	
852.387	0.0076055	
854.315	0.00706217	
856.244	0.0066265	
858.172	0.0063845	
860.101	0.00611233	
862.029	0.00576817	
863.958	0.005538	
865.886	0.00545583	
867.815	0.00532517	
869.743	0.00500533	
871.672	0.0045995	
873.6	0.0042925	
875.529	0.0040935	
877.457	0.00390833	
879.386	0.003731	
881.314	0.00359317	
883.243	0.00343583	

Figure 1First data set

As a result skiprows need [0] and delimiter " , " (fig2)

```
26 PATH="SpecTools Examples Ret avfor Anaconda.csv" #csv or txt format
27 # PATH="D:/SpecTools/RetavforAnaconda.txt" #csv or txt format
28 df=pd.read_csv(PATH, sep="\t", skiprows=[0], delimiter=",") #in skiprows write the rows
29 data=df.values.T
```

Figure 2correct import form of dataset1

For second data set (fig3)

1	XLabel	Wavenumber
2	YLabel	Absorbance
3	FileType	Absorbance
4	DisplayDirection	20300
5	PeakDirection	20312
6	798.389597	0.066815
7	800.318074	0.066516
8	802.246552	0.066001
9	804.175029	0.065031

Figure 3 data set 2

Line 28th must be write as below (fig4)

```
28 df=pd.read_csv(PATH, sep="\t", skiprows=[0,1,2,3,4], delimiter=" ")
29 data=df.values.T
```

Figure 4 correct form of import for data set 2

As it is obvious there is 5 line of text to delete and space between data's