

SUMMARY (deleting row(s) / column(s) of Data Frame)–

A - **del** dataframe['column-name']

B – dataframe.**pop**('column-name')

C – using **.drop()** function (see below)

EXAMPLE FORMATS FOR COLUMN(S) DELETION -

#delete single column , axis =1 for column

i) dataframe.**drop**('column-name' , axis = 1)

use of inplace to make changes in original dataframe

ii) dataframe.**drop**('column-name' , axis = 1 , inplace = **True**)

delete multiple columns , “inplace” not used, so original dataframe remains same

iii) dataframe.**drop**(['column1-name' , 'column2-name'] , axis = 1)

delete multiple columns with index numbers

iv) dataframe.**drop**(dataframe.columns[[col1-index , col2-index , ---]] , axis = 1)

OR **#donot use axis =1 below**

dataframe.**drop**(**columns** = dataframe.columns[[col1-index , col2-index , ---]])

delete columns using iloc()

v) dataframe.**drop**(dataframe.**iloc**[: , start-index : stop-index], inplace = **True**, axis = 1)

delete columns using loc()

vi) dataframe.**drop**(dataframe.**loc**[: , start-index : stop-index].**columns** , axis = 1)

EXAMPLE FORMATS FOR ROW(S) DELETION -

delete a specific row by row-name (row-index name)

i) dataframe.**drop**('row-name')

OR

dataframe.**drop**('row-name' , axis = 0) **#default axis = 0 for rows**

delete multiple rows , “inplace” – same use as above

ii) dataframe.**drop**(['row1-name' , 'row2-name' , - - -])

OR

dataframe.**drop**(**index** = ['row1-name' , 'row2-name' , - - -] , inplace = **True**)

delete rows using numerical -index

iii) dataframe.**drop**(['row1-index' , 'row2-index' , - - -])

OR

dataframe.**drop**(**index** = ['row1-index' , 'row2-index' , - - -])

OR

dataframe.**drop**(**index** = ['row1-index' , 'row2-index' , - - -] , inplace = **True**)

DELETE ROW(S) and COLUMN(S) BOTH-

i) dataframe.**drop**(**index** = ['row1-name' , 'row2-name' , - - -] ,
columns = ['col1-name' , 'col2-name' , - - -])

OR

dataframe.**drop**(**index** = ['row1-name' , 'row2-name' , - - -] ,
columns = ['col1-name' , 'col2-name' , - - -] , inplace = **True**)

ii) dataframe.**drop**(**index** = dataframe.index[['row1-name' , 'row2-name' , - - -]] ,
columns = dataframe.columns [['col1-name' , 'col2-name' , - - -]])